GENERAL SERVICES ADMINISTRATION
Multiple Award Schedule
Authorized Multiple Award Schedule Pricelist

On-line access to contract ordering information, terms and conditions, up-to-date pricing, and the option to create an electronic delivery order is available through **GSA** *Advantage!,* a menu-driven database system. The INTERNET address for **GSA** *Advantage!* is **http://www.gsaadvantage.gov**

Schedule Title: Information Technology Category

Special Item Numbers:
54151S Information Technology Professional Services
518210C Cloud and Cloud-Related IT Professional Services
OLM Order-Level Materials

Contract Number: GS-35F-0648Y

FSC Classes/Product Codes:

FPDS Code D301	IT Facility Operation and Maintenance
FPDS Code D302	IT Systems Development Services
FPDS Code D306	IT Systems Analysis Services
FPDS Code D307	Automated Information Systems Design and Integration Services
FPDS Code D308	Programming Services
FPDS Code D310	IT Backup and Security Services
FPDS Code D311	IT Data Conversion Services
FPDS Code D313	Computer Aided Design/Computer Aided Manufacturing (CAD/CAM) Services
FPDS Code D316	IT Network Management Services
FPDS Code D317	Creation/Retrieval of IT Related Automated News Services, Data Services, or Other Information Services (All other information services belong under Schedule 76)
FPDS Code D399	Other Information Technology Services, Not Elsewhere Classified

CONTRACT NUMBER: GS-35F-0648Y

CONTRACT PERIOD: Sep 25, 2012 through Sep 24, 2027

Modification Number: A847, 12/19/2022

For more information on ordering from Federal Supply Schedules click on the FSS Schedules button at: http://fss.gsa.gov/.

CONTRACTOR:

Spatial Front, Inc.
6550 Rock Spring Dr, Suite 485, Bethesda, MD 20817
Phone: (240) 751-4883 Fax: (240) 986-0957 email: info@spatialfront.com
Internet Address/Web Site: www.spatialfront.com

CONTRACTOR'S ADMINISTRATION SOURCE:

Shawn Zhang, Executive Vice President
Spatial Front, Inc.
6550 Rock Spring Dr, Suite 485, Bethesda, MD 20817
Phone: (240) 498-2960 Fax: (240) 986-0957 email: Shawn.Zhang@spatialfront.com
Internet Address/Web Site: www.spatialfront.com

BUSINESS SIZE: Small business, Woman Owned Small Business, SBA 8(a) certified small business

CUSTOMER INFORMATION:

1a. **TABLE OF AWARDED SPECIAL ITEM NUMBERS (SINs)**

54151S IT Professional Services
518210C Cloud and Cloud-Related IT Professional Services
OLM Order Level Materials

1b. **LOWEST PRICED MODEL NUMBER AND UNIT PRICE FOR EACH SIN:**
(Government net price based on a unit of one)

SIN54151S: Data Analyst I: $52.74
SIN518210C: Cloud Technical Writer: $78.59

1c. **HOURLY RATES (Services only)**: See Page 9 and Page 18.

2. **MAXIMUM ORDER*:** $500,000

3. **MINIMUM ORDER:** $100

4. **GEOGRAPHIC COVERAGE**: All Domestic Locations

5. **POINT(S) OF PRODUCTION**:   US

6. **DISCOUNT FROM LIST PRICES:** *GSA Net Prices are shown in the below GSA Pricelist. Negotiated discounts have been applied and the IFF has been added.*

7. **QUANTITY DISCOUNT(S):** Not applicable

8. **PROMPT PAYMENT TERMS:** None

9. **FOREIGN ITEMS**: None

10a. **TIME OF DELIVERY**: As Negotiated

10b. **EXPEDITED DELIVERY:** As Negotiated

10c. **OVERNIGHT AND 2-DAY DELIVERY:** As Negotiated

10d. **URGENT REQUIRMENTS:**   As Negotiated

11. **FOB POINT:** Destination

12a. **ORDERING ADDRESS:**
Shawn Zhang, Executive Vice President
Spatial Front, Inc.
6550 Rock Spring Dr, Suite 485, Bethesda, MD 20817
Phone: (240) 498-2960 Fax: (240) 986-0957 email: Shawn.Zhang@spatialfront.com
Internet Address/Web Site: www.spatialfront.com

12b. **ORDERING PROCEDURES**: Ordering activities shall use the ordering procedures described in Federal Acquisition Regulation 8.405-3 when placing an order or establishing a BPA for supplies or

services. The ordering procedures, information on Blanket Purchase Agreements (BPA's) and a sample BPA can be found at the GSA/FSS Schedule Homepage (fss.gsa.gov/schedules).

13.   **PAYMENT ADDRESS**:
        Shawn Zhang, Executive Vice President
        Spatial Front, Inc.
        6550 Rock Spring Dr, Suite 485, Bethesda, MD 20817
        Phone: (240) 498-2960 Fax: (240) 986-0957 email: Shawn.Zhang@spatialfront.com
        Internet Address/Web Site: www.spatialfront.com

14.   **WARRANTY PROVISION:** Not applicable.

15.   **EXPORT PACKING CHARGES**: Not applicable

16.   **TERMS AND CONDITIONS OF RENTAL, MAINTENANCE, AND REPAIR (IF APPLICABLE):**
        Not applicable.

17.   **TERMS AND CONDITIONS OF INSTALLATION (IF APPLICABLE):** Not applicable.

18a.   **TERMS AND CONDITIONS OF REPAIR PARTS INDICATING DATE OF PARTS PRICE LISTS AND ANY DISCOUNTS FROM LIST PRICES (IF AVAILABLE):** Not applicable.

18b.   **TERMS AND CONDITIONS FOR ANY OTHER SERVICES (IF APPLICABLE**): Not applicable.

19.   **LIST OF SERVICE AND DISTRIBUTION POINTS (IF APPLICABLE):** Not applicable.

20.   **LIST OF PARTICIPATING DEALERS (IF APPLICABLE):** Not applicable.

21.   **PREVENTIVE MAINTENANCE (IF APPLICABLE**): Not applicable.

22a.   **SPECIAL ATTRIBUTES SUCH AS ENVIRONMENTAL ATTRIBUTES (e.g. recycled content, energy efficiency, and/or reduced pollutants):** Not applicable.

22b.   **Section 508 Compliance for Electronic and Information Technology (EIT): Section 508 compliance information on the supplies and services in this contract are available at the following website address (URL):** Not applicable.

23.   **UEI NUMBER: J1ADW6BL8MN5   CAGE CODE:** 5XGW3

24.   **NOTIFICATION REGARDING REGISTRATION IN SYSTEM FOR AWARD MANAGEMENT (SAM) DATABASE:** Spatial Front (SFI) has an Active Registration in the SAM database.

IT PROFESSIONAL SERVICES PRICE LIST 2023 (SIN 54151S) (IFF Included)

IT Professional Services	GSA Rate
1. Software Architect	$111.39
2. Senior Programmer	$129.33
3. Junior Programmer	$70.46
4. GIS Analyst	$63.11
5. Lead GIS Analyst	$82.96
6. Senior GIS Developer	$100.06
7. GIS Database Admin	$100.06
8. GIS System Admin	$91.14
9. GIS Project Manager	$120.84
10. Subject Matter Expert	$152.94
11. Advanced Technology Developer	$109.79
12. Contract Program Manager III	$141.83
13. IT Project Manager III	$109.60
14. Systems Analyst II	$68.49
15. Web Application Developer III	$88.87
16. IT Specialist – Lead Developer III	$104.14
17. GIS Specialist II	$48.40
18. IT Specialist – Developer II	$91.88
19. Technical Specialist III	$88.59
20. Database Manager / Developer II (Oracle)	$101.38
21. Database Manager / Developer II (Sybase)	$101.38
22. Enterprise Database Administrator III	$91.35
23. Information Architect III	$113.25
24. Technical Writer III	$71.70
25. SharePoint Developer / Administrator III	$97.11
26. Unix System Administrator III	$97.11
27. Windows System Administrator III	$97.11
28. Drupal Administrator / Back-End Developer III	$127.88
29. Drupal Front-End Developer II	$104.60
30. IT Specialist III	$94.53
31. Mobile Applications Developer III	$94.53
32. Web Server Administrator / Developer III	$104.60
33. Business Analyst I	$52.99
34. Business Analyst II	$68.49
35. Geospatial Database Analyst III	$70.38
36. Computer Programmer I	$52.85
37. Data Analyst I	$52.75
38. Subject Matter Expert III	$251.74
39. Int I Computer Scientist/Systems Analyst	$73.51

40. Senior I Computer Scientist/Engineer/Systems Analyst	$113.89
41. Senior II Computer Scientist/Engineer/Systems Analyst	$150.26
42. Technical Support II	$53.05
43. Technical Support III	$56.47
44. Technical Support IV	$66.10
45. Geospatial Information Scientist and Technologist (Senior)	$128.29
46. Geospatial Information Scientist and Technologist (SME)	$158.42
47. Information Technology Project Manager (SME)	$166.66
48. Training and Development Specialist (SME)	$126.73
49. Sr. Technical Writer	$92.94
50. Quality Assurance Specialist	$88.00
51. Senior Solution Architect	$145.65
52. Senior Cloud System Engineer	$145.65
53. Senior Business Analyst	$109.00
54. Senior Web Software Developer:	$105.99
55. Task Manager	$122.40

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Spatial Front, Inc.
GSA Schedule Contract
Labor Category Descriptions SIN 54151S
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1. Software Architect
Role/Responsibilities
This role designs applications which may run on multiple platforms and may be composed of multiple software packages. This role performs critical evaluation and selection of the software and hardware components of the application and prepares for the development of the application by evaluation and selection of development methodologies and tools. This role is responsible for performance, availability and scalability of the applications, and maintains the functional interface to the application infrastructure.

Education: BS/BA-CS, CIS, EE, Math or equivalent technical studies
Substitution of experience for education may be made where four (4) years of experience will be equivalent to a four (4) year degree. Years of experience, which are used to substitute for a college degree, cannot be used to otherwise qualify for the general experience requirement. Substitution of a master's degree for experience may be made where a master's degree will be equivalent to two (2) years of experience

Experience: Minimum 5 years of industry experience
Minimum 2 years in area of specialization

2. Senior Programmer
Role/Responsibilities
Under general supervision, formulates and defines system scope and objectives through research and fact finding to develop or modify moderately complex information systems. Prepares detailed specifications from which programs will be written. Designs, codes, tests, debug, documents, and maintain those programs. Competent to work on most phases of applications systems analysis and programming activities, but requires instruction and guidance in other phases.

Education: BS or BA in CS, CIS, EE, Math or equivalent technical studies.
Substitution of experience for education may be made where four (4) years of experience will be equivalent to a four (4) year degree. Years of experience, which are used to substitute for a college degree, cannot be used to otherwise qualify for the general experience requirement. Substitution of

a master's degree for experience may be made where a master's degree will be equivalent to two (2) years of experience

Experience: 3 to 6 years of experiences in area of specialization.

3. Junior Programmer
Role/Responsibilities

Devises or modifies procedures to solve complex problems considering computer equipment capacity and limitations, operating time, and form of desired results. Designs, codes, tests, debugs, and documents.

Education: Substitution of a degree for experience may be made where a four (4) year bachelor degree will be equivalent to four (4) years of experience and a two (2) year associate degree will be equivalent to two (2) years of experience.

Experience: 1 to 2 years of experiences in area of specialization.

4. GIS Analyst
Role/Responsibilities

This role provides support for GIS application design, development and analysis using GIS product and tools; Design, develop, document, test and certify applications, programs and systems functionality. Provide sound technical expertise in developing innovative and effective solutions to a variety of complex projects and support Project Management Objectives. Provide support for GIS data compilation, systems integration and implementations. Assist in GIS production projects.

Education: BS/BA-CS, CIS, GIS, Urban Planning, EE, Math or equivalent technical studies.
Substitution of experience for education may be made where four (4) years of experience will be equivalent to a four (4) year degree. Years of experience, which are used to substitute for a college degree, cannot be used to otherwise qualify for the general experience requirement. Substitution of a master's degree for experience may be made where a master's degree will be equivalent to two (2) years of experience

Experience: Minimum 1-2 years of industry experience
Minimum 1 year of area of specialization

5. Lead GIS Analyst
Role/Responsibilities

This role provides support for GIS application design, development and analysis using GIS product and tools; Design, develop, document, test and certify applications, programs and systems functionality. Provide sound technical expertise in developing innovative and effective solutions to a variety of complex projects and support Project Management Objectives. Provide support for GIS data compilation, systems integration and implementations. Assist in GIS production projects.

Education: BS/BA-CS, CIS, GIS, Urban Planning, EE, Math or equivalent technical studies.
Substitution of experience for education may be made where four (4) years of experience will be equivalent to a four (4) year degree. Years of experience, which are used to substitute for a college degree, cannot be used to otherwise qualify for the general experience requirement. Substitution of a master's degree for experience may be made where a master's degree will be equivalent to two (2) years of experience

Experience: Minimum 4 years of industry experience
Minimum 2 year of area of specialization

6. Senior GIS Developer
Role/Responsibilities

This role develops and implements solution to complex problems involving geographic data and records; Performs GIS computer programming to take full advantage of GIS platform functions and applications;

Education: BS/BA-CS, CIS, GIS, Urban Planning, EE, Math or equivalent technical studies.
Substitution of experience for education may be made where four (4) years of experience will be equivalent to a four (4) year degree. Years of experience, which are used to substitute for a college degree, cannot be used to otherwise qualify for the general experience requirement. Substitution of a master's degree for experience may be made where a master's degree will be equivalent to two (2) years of experience

Experience: Minimum 3 years of industry experience

Minimum 2 year of area of specialization

7. GIS Database Administrator
Role/Responsibilities

Under general direction, designs, implements and maintains complex databases with respect to JCL, access methods, access time, device allocation, validation checks, organization, protection and security, documentation, and statistical methods. Includes maintenance of database dictionaries, overall monitoring of standards and procedures, and integration of systems through database design. Competent to work at the highest level of all phases of database management.

Education: BS/BA-CS, CIS, EE, Math or equivalent technical studies
Substitution of experience for education may be made where four (4) years of experience will be equivalent to a four (4) year degree. Years of experience, which are used to substitute for a college degree, cannot be used to otherwise qualify for the general experience requirement. Substitution of a master's degree for experience may be made where a master's degree will be equivalent to two (2) years of experience

Experience: 3 to 7 years industry experience
Minimum 2 years in area of specialization

8. GIS System Administrator
Role/Responsibilities

Under general supervision, responsible for installing, configuring, and maintaining operating system workstations and servers, including web servers, in support of business processing requirements.

Performs software installations and upgrades to operating systems and layered software packages. Schedules installations and upgrades and maintains them in accordance with established IT policies and procedures. Monitors and tunes the system to achieve optimum performance levels. Ensure workstation/server data integrity by evaluating, implementing, and managing appropriate software and hardware solutions. Ensure data/media recoverability by implementing a schedule of system backups and database archive operations.

Education: BS/BA-CS, CIS, EE, Math or equivalent technical studies
Substitution of experience for education may be made where four (4) years of experience will be equivalent to a four (4) year degree. Years of experience, which are used to substitute for a college degree, cannot be used to otherwise qualify for the general experience requirement. Substitution of a master's degree for experience may be made where a master's degree will be equivalent to two (2) years of experience

Experience: 3 to 7 years industry experience
Minimum 2 years in area of specialization

9. GIS Project Manager
Role/Responsibilities

This role is responsible for leading a project team in delivering a solution to the customer using the appropriate business measurements and terms and conditions for the project according to the project charter, project agreement or contract. They have overall performance responsibility for managing scope, cost, schedule, and contractual deliverables, which includes applying techniques for planning, tracking, change control, and risk management. They are responsible for managing all project resources, including subcontractors, and for establishing an effective communication plan with the project team and the customer. They provide day to day direction to the project team and regular project status to the customer.

Education: BS/BA in CS, CIS, or equivalent technical studies with specialized PMP (Project Management Professional) courses desirable
Substitution of experience for education may be made where four (4) years of experience will be equivalent to a four (4) year degree. Years of experience, which are used to substitute for a college degree, cannot be used to otherwise qualify for the general experience requirement. Substitution of a master's degree for experience may be made where a master's degree will be equivalent to two (2) years of experience

Experience: Minimum 3 years of technical project management experience

10. Subject Matter Expert
Role/Responsibilities

Recognized for strong expertise in industry issues and trends. Utilizes functional area expertise gained through direct industry experience to assess the operational and functional baseline of an organization and its organizational components. Works with senior managers and executives to provide industry vision and strategic direction with regard to their enterprise. Guides the determination of information technology inadequacies and/or deficiencies that affect the functional area's ability to support/meet organizational goals. Generates functional area strategies for enhanced IT operations in a cross-functional area mode throughout the organization. Participates in account strategy sessions, strategic assessments and design reviews to validate enterprise approach and associated work products.

Education: BS/BA-CS, CIS, EE, Math or equivalent technical studies.
Substitution of experience for education may be made where four (4) years of experience will be equivalent to a four (4) year degree. Years of experience, which are used to substitute for a college degree, cannot be used to otherwise qualify for the general experience requirement. Substitution of a master's degree for experience may be made where a master's degree will be equivalent to two (2) years of experience

Experience: Minimum 8 years of industry experience
Minimum 4 year of area of specialization

11. Advanced Technology Developer
Role/Responsibilities
In this role, the developer: (a) Must be able to translate applications requirements into web-based solutions using available technology. (b) Must be able to apply new and emerging technologies to the software development process.

Education: BS/BA-CS, CIS, EE, Math or equivalent technical studies.
Substitution of experience for education may be made where four (4) years of experience will be equivalent to a four (4) year degree. Years of experience, which are used to substitute for a college degree, cannot be used to otherwise qualify for the general experience requirement. Substitution of a master's degree for experience may be made where a master's degree will be equivalent to two (2) years of experience

Experience: Minimum 6 years of industry experience
Minimum 3 year of area of specialization

12. Contract Program Manager III
Role/Responsibilities
In this role, the Contact Program Manager III provides program leadership and vision. Develops and manages a clear and detailed program plan. Manages multiple projects and apply common standards and processes to the execution of projects. Coordinates between project managers and the scheduling and tracking of projects. Monitors program progress, issues, risks and reports. Oversees and manages program budget and contract administration. Serves as the primary point of contact to the CO and COR on all matters. Provides supervision and guidance to personnel as appropriate. Prepares and/or gives presentations and briefings. Possess strong interpersonal and customer service skills. Has strong problem solving skills and is able to quickly address and resolve a variety of issues.

Education: MBA or master's in public policy, Economic, Statistics or Social Sciences or equivalent technical studies are desired. Project Management Professional (PMP), Program Management Professional (PgMP) or equivalent is desirable. Substitution of experience for education may be made where four (4) years of experience will be equivalent to a four (4) year degree. Years of experience, which are used to substitute for a college degree, cannot be used to otherwise qualify for the general experience requirement. Substitution of a master's degree for experience may be made where a master's degree will be equivalent to two (2) years of experience.

Experience: 7 years+ of general experience with 2 years+ of specialized experience.

13. Information Technology (IT) Project Manager III
Role/Responsibilities
In this role, the Information Technology (IT) Project Manager III monitors project progress, issues, risks and reports. Manages and coordinates project tasks, activities, resources and budgets. Oversees and manages multiple projects and provides high quality deliverables and services within budget and on-time. Possesses experience in the areas of server operations and management; systems administration, change management, network management, capital planning, websites operations and maintenance, asset management and systems architecture. Provides supervision and guidance to personnel as appropriate. Prepares and/or give presentations and briefings. Possesses strong

interpersonal and customer service skills. Has strong problem solving skills and be able to quickly address and resolve a variety of issues.

Education: BS/BA (preferably in Computer Science, Management Information Systems or Engineering) is required. PMP certification or equivalent is desired. Information Technology Infrastructure Library (ITIL) certifications are desirable.

Substitution of experience for education may be made where four (4) years of experience will be equivalent to a four (4) year degree. Years of experience, which are used to substitute for a college degree, cannot be used to otherwise qualify for the general experience requirement. Substitution of a master's degree for experience may be made where a master's degree will be equivalent to two (2) years of experience

Experience: 8 years+ of general experience with 5 years + of specialized experience.

14. Systems Analyst II
Role/Responsibilities

In this role, the Systems Analyst II performs technical work using both standard and non-standard analysis, design, and programming techniques, determines customer requirements for the final program or system, analyzes problems in terms of such factors as user requirements, input data and form, output data and form, available computer configuration, processing turn-around time requirements, input and output checking, and overall problem-schedule requirements. Positions advices on information technology to help define automation needs. May provide advice on system design configurations, procedural and technical aspects of automated records, hardware acquisition and maintenance, and develops and writes suitable source code required for computer processing. May also include responsibilities such as: Data Acquisition, Compilation and Analysis Support; Electronic Reporting and Data Entry Applications Support; Database and Database Systems Support; Data Dissemination Support; System Maintenance, Modification and Technical Support.

Education: BS/BA is required.

Substitution of experience for education may be made where four (4) years of experience will be equivalent to a four (4) year degree. Years of experience, which are used to substitute for a college degree, cannot be used to otherwise qualify for the general experience requirement. Substitution of a master's degree for experience may be made where a master's degree will be equivalent to two (2) years of experience

Experience: 2 years+ of general experience with 1 year to 2 years+ of specialized experience.

15. Web Applications Developer III
Role/Responsibilities

In this role, the Web Applications Developer III monitors server performance and resolves and reports any problems. Works to resolve any issues. Monitors backups, conduct periodic test recoveries and report any problems. Coordinates and works with system administrators on web server migrations, software upgrades and patches, documentation and troubleshooting. Manages users and permissions. Setup and configure websites. Sets up, tests, implements, tunes and/or optimizes search engine, surveys and web analytics. Leads, assists and/or develops, tests, troubleshoots, implements and documents code according to user requirements. Works with Business Analyst during requirements gathering phase. Resolves problems with existing programs (Java, Perl, PHP and other languages) and make enhancements. Serves as Drupal Administrator back-up.

Education: BS/BA (preferably in Computer Science, Information Systems, Engineering, or Business) is preferred.

Substitution of experience for education may be made where four (4) years of experience will be equivalent to a four (4) year degree. Years of experience, which are used to substitute for a college degree, cannot be used to otherwise qualify for the general experience requirement. Substitution of a master's degree for experience may be made where a master's degree will be equivalent to two (2) years of experience

Experience: 8 years+ of general experience with 5 years to 8 years+ of specialized experience.

16. IT Specialist - Lead Developer III
Role/Responsibilities

In this role, the IT Specialist Lead Developer III is responsible for providing technical advice to senior management and addressing technical concerns. This advice and communications are relative to the current airline data systems, and any new systems that may be considered in the future. Responsible for converting business needs into technical

requirements, designing technical approaches and system architecture based on the needs and technical requirements, and developing project implementation plans and schedules. Provides leadership in determining business rules, defining the technical work, and ensures that documentation is created and maintained. Assigns tasks and provides technical guidance and instructions to team members. Enforces quality control over the team's work. Along with the Program Manager, monitors the progress of assignments and enforces schedules. Responsibilities may include: data acquisition, compilation and analysis support; electronic reporting and data entry applications support; database and database systems support; data dissemination support; and system maintenance, modification and technical support.

Education: BS/BA is required.

Substitution of experience for education may be made where four (4) years of experience will be equivalent to a four (4) year degree. Years of experience, which are used to substitute for a college degree, cannot be used to otherwise qualify for the general experience requirement. Substitution of a master's degree for experience may be made where a master's degree will be equivalent to two (2) years of experience

Experience: 8 years+ of general experience with 5 years to 8 years+ of specialized experience.

17. GIS Specialist II
Role/Responsibilities

In this role, the GIS Specialist II provides GIS support for the cartographic and geospatial analysis functions of including, on-call support, on a 24-7 basis, to agency site(s), produce maps for analyses and publications, perform geospatial analyses in support of projects, develop geospatial applications to assist analysts, assist in geospatial data development projects, create GIS Web applications, staff exhibits, and assist in distributing products.

Education: BS/BA in geography (or related field) is preferred.

Substitution of experience for education may be made where four (4) years of experience will be equivalent to a four (4) year degree. Years of experience, which are used to substitute for a college degree, cannot be used to otherwise qualify for the general experience requirement. Substitution of a master's degree for experience may be made where a master's degree will be equivalent to two (2) years of experience

Experience: 3 years+ of general experience with 2 years to 3 years+ of specialized experience.

18. IT Specialist - Developer II
Role/Responsibilities

In this role, the IT Specialist Developer II performs technical work using both standard and non-standard analysis, design, and programming techniques, determines customer requirements for the final program or system, analyzes problems in terms of such factors as user requirements, input data and form, output data and form, available computer configuration, processing turn-around time requirements, input and output checking, and overall problem-schedule requirements. Advises on information technology to help define automation needs. May provide advice on system design configurations, procedural and technical aspects of automated records, hardware acquisition and maintenance, and develops and writes suitable source code required for computer processing. Responsibilities may include: data acquisition, compilation and analysis support; electronic reporting and data entry applications support; database and database systems support; data dissemination support; and system maintenance, modification and technical support.

Education: BS/BA is required, MS/MA preferred.

Substitution of experience for education may be made where four (4) years of experience will be equivalent to a four (4) year degree. Years of experience, which are used to substitute for a college degree, cannot be used to otherwise qualify for the general experience requirement. Substitution of a master's degree for experience may be made where a master's degree will be equivalent to two (2) years of experience

Experience: 3 years+ of general experience with 2 years to 3 years+ of specialized experience.

19. Technical Specialist III
Role/Responsibilities

In this role, the Technical Specialist III applies knowledge of computer science principles, information management principles, data processing functions, ADP hardware and software systems structures and operations, and computer programming languages and techniques to solve automation problems. Applies scientific, engineering or business objectives by writing, modifying, or adapting computer programs in machine level, assembly, and third or fourth generation programming languages. Interfaces with and uses minicomputer

and mainframe computer systems in addressing project objectives. Uses standard or conventional approaches to define, plan, organize, design, develop, modify, test and integrate database or data processing systems, computer hardware systems, and simulation models. Responsible for segments or phases of special projects. Applies knowledge of security and access controls, and security requirements (regulatory, standard and other measures according to COR) for data and systems.

Education: BS/BA (preferably in Computer Science, Management Information Systems or related field) is required, MS/MA preferred.

Experience: 7 years+ of general experience with 2 years of 7 years+ of specialized experience.

20. Database Manager / Developer II (Oracle)
Role/Responsibilities

In this role, the Database Manager / Developer II (Oracle) applies knowledge of computer science principles, information management principles, data processing functions, ADP hardware and software systems structures and operations, and computer programming languages and techniques to solve automation problems. Applies scientific, engineering or business objectives by writing, modifying, or adapting computer programs in machine level, assembly, and third or fourth generation programming languages. Interfaces with and uses minicomputer and mainframe computer systems in addressing project objectives.

Education: MS/MA is related field is required.

Experience: 7+ years of general experience, with 2 years of specialized experience.

21. Database Manager / Developer II (Sybase)
Role/Responsibilities

In this role, the Database Manager / Developer II (Sybase) applies knowledge of computer science principles, information management principles, data processing functions, ADP hardware and software systems structures and operations, and computer programming languages and techniques to solve automation problems. Applies scientific, engineering, or business objectives by writing, modifying, or adapting computer programs in machine level, assembly, and third or fourth generation programming languages. Interfaces with and uses minicomputer and mainframe computer systems in addressing project objectives.

Education: MS/MA is related field is required.

Experience: 7+ years of general experience, with 2 years of specialized experience.

22. Enterprise Database Administrator III
Role/Responsibilities

In this role, the Enterprise Database Administrator III provides operational support of computer hardware, system software, applications software, and system and user data files as configured within the associated database system. Provides maintenance for the integrity of all user/ system data files, data verification following system restoration *I* recovery procedures, and data format conversion procedures during the import and *I* or export of data. Provides database reporting *I* printout support. Analyzes performance indicators such as system's response time and number of programs being processed to ensure operational efficiency. Supports development of operating procedures and user technical manuals. Support is provided to a variety of database systems (MySQL, Oracle versions 8i, 10g and 11g and/or Sybase version IQ 15.4). Runs, tests, and verifies backups.

Education: BS/BA (preferably in Computer Science, Management Information Systems or Engineering) is required. Database certifications or equivalent are desirable.

                Substitution of experience for education may be made where four (4) years of experience will be equivalent to a four (4) year degree. Years of experience, which are used to substitute for a college degree, cannot be used to otherwise qualify for the general experience requirement. Substitution of a master's degree for experience may be made where a master's degree will be equivalent to two (2) years of experience

Experience: 8 years+ of general experience, with 5 years of specialized experience.

23. Information Architect III
Role/Responsibilities

In this role, the Information Architect III identifies user requirements by researching and analyzing web analytics. Plans information architecture by researching the website features, functionality, interface and common scenarios. Reviews, edit, inserts, and approves content meta tags as part of the website workflow process. Develops an information architecture plan that presents information in a uniform manner across websites. Implement

information architecture plan by preparing paper and web mockups. Test information architecture plan by conducting user tests.

Education: BS/BA (preferably in Computer Science, Management Information Systems or Engineering) is required. Database certifications or equivalent are desirable.

Substitution of experience for education may be made where four (4) years of experience will be equivalent to a four (4) year degree. Years of experience, which are used to substitute for a college degree, cannot be used to otherwise qualify for the general experience requirement. Substitution of a master's degree for experience may be made where a master's degree will be equivalent to two (2) years of experience

Experience: 8 years+ of general experience, with 5 years of specialized experience in developing and implementing information architecture for websites.

24. Technical Writer III
Role/Responsibilities

In this role, the Technical Writer III writes and edits a variety of technical articles, reports, manuals, web and social media content and/or speeches and presentations for a wide range of uses. Able to use data and research to develop themes and storytelling in support of agency communications goals. Works with other members of a mission-oriented business services team, from planning stages through final release or presentation to coordinate production schedules, plan review cycles, and maintain version control. May be responsible for coordinating the display of graphics, the scripting of presentations, and the production and publication of documents in conjunction with high-visibility news events.

Education: BS/BA (preferably in English or Communications) is required, MS/MA preferred.

Substitution of experience for education may be made where four (4) years of experience will be equivalent to a four (4) year degree. Years of experience, which are used to substitute for a college degree, cannot be used to otherwise qualify for the general experience requirement. Substitution of a master's degree for experience may be made where a master's degree will be equivalent to two (2) years of experience

Experience: 8 years+ of general experience with 5 years to 8 years+ of specialized experience in technical writing related to agency mission and familiar with a variety of the field's concepts, practices, procedures, and relevant software. Familiarity with standards and procedures for information security and data confidentiality.

25. SharePoint Developer / Administrator III
Role/Responsibilities

In this role, the SharePoint Developer / Administrator III monitors server performance and resolves and report any problems. Monitors backups, conducts periodic test recoveries and reports any problems. Coordinates and works with system administrators on web server migrations, software upgrades and patches, documentation and troubleshooting. Works to resolve any issues. Manages users and permissions. Sets up and configures websites. Sets ups, tests, implements, tunes and/or optimizes search engines, surveys and web analytics. Leads, assists and/or develops, tests, troubleshoots, implements, and documents code according to user requirements. Works with Business Analyst during requirements gathering phase. Resolves problems with existing program and make enhancements.

Education: BS/BA (preferably in Computer Science, Management Information Systems or Engineering) is required, MS/MA preferred.

Substitution of experience for education may be made where four (4) years of experience will be equivalent to a four (4) year degree. Years of experience, which are used to substitute for a college degree, cannot be used to otherwise qualify for the general experience requirement. Substitution of a master's degree for experience may be made where a master's degree will be equivalent to two (2) years of experience

Experience: 8 years+ of general experience with 5 years of 8 years+ of specialized experience in a federal IT environment.

26. UNIX System Administrator III
Role/Responsibilities

In this role, the Windows System Administrator III oversees the daily operations of the UNIX systems engineering function. Implements and maintains policies and practices for UNIX computing using Oracle Solaris software

versions 7, 9 and 10. Familiar with a variety of the field's concepts, practices, and procedures. Relies on extensive experience and judgment to plan and accomplish goals. Performs a variety of tasks related to the function of the position. Leads and directs the work of others. A wide degree of creativity and latitude is expected. Typically consult with the head of a unit/ department.

Education: BS/BA (preferably in Computer Science, Management Information Systems or Engineering) is required. UNIX certifications or equivalent are desirable.

Substitution of experience for education may be made where four (4) years of experience will be equivalent to a four (4) year degree. Years of experience, which are used to substitute for a college degree, cannot be used to otherwise qualify for the general experience requirement. Substitution of a master's degree for experience may be made where a master's degree will be equivalent to two (2) years of experience

Experience: 8 years+ of general experience with 5 years of 8 years+ of specialized experience.

27. Windows Systems Administrator III
Role/Responsibilities

In this role, the Windows Systems Administrator III oversees the daily operations of the Windows Server systems engineering function. Implements and maintains policies and practices for Windows computing. Familiar with a variety of the field's concepts, practices, and procedures. Relies on extensive experience and judgment to plan and accomplish goals. Performs a variety of tasks. Leads and directs the work of others. A wide degree of creativity and latitude is expected. Typically consults with the head of a unit/department.

Education: BS/BA (preferably in Computer Science, Management Information Systems or Engineering) is required. Windows certifications or equivalent are desirable.

Substitution of experience for education may be made where four (4) years of experience will be equivalent to a four (4) year degree. Years of experience, which are used to substitute for a college degree, cannot be used to otherwise qualify for the general experience requirement. Substitution of a master's degree for experience may be made where a master's degree will be equivalent to two (2) years of experience

Experience: 8 years+ of general experience with 5 years of 8 years+ of specialized experience.

28. Drupal Administrator / Back-end Developer III
Role/Responsibilities

In this role, the Drupal Administrator / Back-end Developer III uses Acquia Insight to analyze, manage and tune Drupal CMS. Monitors backups, conducts periodic test recoveries. Works with Acquia Technical Support to resolve any issues. Manages users and permissions. Sets up and configures websites. Sets up, tests, implements, tunes and/or optimizes search engine, surveys and web analytics. Leads, assists and/or develops, tests, troubleshoots, implements and documents contributed and custom Drupal modules according to user requirements. Works with Business Analyst during requirements gathering phase. Serves as Web Server Administrator backup.

Education: BS/BA (preferably in Computer Science, Management Information Systems or Engineering) is required. Programming certifications or equivalent are desirable.

Substitution of experience for education may be made where four (4) years of experience will be equivalent to a four (4) year degree. Years of experience, which are used to substitute for a college degree, cannot be used to otherwise qualify for the general experience requirement. Substitution of a master's degree for experience may be made where a master's degree will be equivalent to two (2) years of experience

Experience: 8 years+ of general experience with 5 years of 8 years+ of specialized experience.

29. Drupal Front-end Developer II
Role/Responsibilities

In this role, the Drupal Front-end Developer II enhances Drupal theme and re-theme website for periodic redesigns. Manages content types. Develops and edits content input forms. Develops, edits and/or compresses images. Helps review websites for accessibility and privacy violations; and navigation and information architecture conformance. Conducts web quality checks on content. Provides customer assistance and support. Input and upload content.

Education: BS/BA (preferably in Computer Science, Management Information Systems or Engineering) is required.

Substitution of experience for education may be made where four (4) years of experience will be equivalent to a four (4) year degree. Years of experience, which are used to substitute for a college degree, cannot be used to otherwise qualify for the general experience requirement. Substitution of a master's degree for experience may be made where a master's degree will be equivalent to two (2) years of experience

Experience: 2 years+ of general experience with 1 year of 2 years+ of specialized experience.

30. IT Specialist III
Role/Responsibilities

In this role, the IT Specialist III applies knowledge of computer science principles, information management principles, data processing functions, ADP hardware and software systems structures and operations, and computer programming languages and techniques to solve automation problems. Applies scientific, engineering or business objectives by writing, modifying, or adapting computer programs in machine level, assembly, and third or fourth generation programming languages. Interfaces with and uses minicomputer and mainframe computer systems in addressing project objectives. Uses standard or conventional approaches to define, plan, organize, design, develop, modify, test and integrate database or data processing systems, computer hardware systems, and simulation models. Responsible for segments or phases of special projects. Applies knowledge of security and access controls, and security requirements (regulatory, standard and other measures according to COR) for data and systems.

Education: BS/BA in related field is required, MS/MA is preferred.

Substitution of experience for education may be made where four (4) years of experience will be equivalent to a four (4) year degree. Years of experience, which are used to substitute for a college degree, cannot be used to otherwise qualify for the general experience requirement. Substitution of a master's degree for experience may be made where a master's degree will be equivalent to two (2) years of experience

Experience: 8 years+ of general experience with 5 year of 8 years+ of specialized experience.

31. Mobile Applications Developer III
Role/Responsibilities

In this role, the Mobile Application Developer III leads, assists, and/or develops, tests, troubleshoots, implements, and documents mobile applications on iOS, Android and other platforms. Works with Business Analyst during requirements gathering phase. Sets up and configures mobile websites.

Education: BS/BA (preferably in Computer Science, Management Information Systems or Engineering) is required. Programming and mobile app certifications or equivalent are desirable.

Substitution of experience for education may be made where four (4) years of experience will be equivalent to a four (4) year degree. Years of experience, which are used to substitute for a college degree, cannot be used to otherwise qualify for the general experience requirement. Substitution of a master's degree for experience may be made where a master's degree will be equivalent to two (2) years of experience

Experience: 8 years+ of general experience with 5 years of 8 years+ of specialized experience.

32. Web Server Administrator / Developer III
Role/Responsibilities

In this role, the Web Server Administrator / Developer III monitors server performance and resolves and reports any problems. Works to resolve any issues. Monitors backups, conducts periodic test recoveries and reports any problems. Coordinates and works with system administrators on web server migrations, software upgrades and patches, documentation and troubleshooting. Manages users and permissions. Sets up and configures websites. Sets up, tests, implements, tunes and/or optimizes search engine, surveys and web analytics. Leads, assists and/or develops, tests, troubleshoots, implements and documents code according to user requirements. Works with Business Analyst during requirements gathering phase. Resolves problems with various programs and make enhancements. Serve as Drupal Administrator back-up.

Education: BS/BA (preferably in Computer Science, Management Information Systems or Engineering) is required. Programming and server certifications or equivalent are desirable.

Substitution of experience for education may be made where four (4) years of experience will be equivalent to a four (4) year degree. Years of experience, which are used to substitute for a college degree, cannot be used to otherwise qualify for the general experience requirement. Substitution of

a master's degree for experience may be made where a master's degree will be equivalent to two (2) years of experience

Experience: 8 years+ of general experience with 5 years of 8 years+ of specialized experience.

33. Business Analyst I
Role/Responsibilities

In this role, the Business Analyst I interprets results using a variety of techniques, ranging from simple data aggregation via statistical analysis to complex data mining. Designs, develops, implements and maintains business solutions. Works directly with clients and project and business leaders to identify analytical requirements. Has knowledge of commonly-used concepts, practices, and procedures within a particular field. Relies on instructions and pre-established guidelines to perform the functions of the job.

Education: Substitution of a degree for experience may be made where a four (4) year bachelor degree will be equivalent to four (4) years of experience and a two (2) year associate degree will be equivalent to two (2) years of experience.

Experience: 1 years+ of general experience with 1 years+ of specialized experience.

34. Business Analyst II
Role/Responsibilities

In this role, the Business Analyst II formulates and defines systems scope and objectives based on both user needs and a thorough understanding of business systems and industry requirements. Devises or modifies procedures to solve complex problems considering computer equipment capacity and limitations, operation time, and form of desired results. Includes analysis of business and user needs, documentation of requirements, and translation into proper system requirements specifications. Provides consultation on complex projects and is considered to be the top level contributor/specialist of most phases of systems analysis, while considering the business implications of the application of technology to the current and future business environment.

Education: BS/BA (preferably in Computer Science, Management Information Systems or Engineering) is required. Programming and server certifications or equivalent are desirable.

Substitution of experience for education may be made where four (4) years of experience will be equivalent to a four (4) year degree. Years of experience, which are used to substitute for a college degree, cannot be used to otherwise qualify for the general experience requirement. Substitution of a master's degree for experience may be made where a master's degree will be equivalent to two (2) years of experience

Experience: 2 years+ of general experience with 1 years to 2 years+ of specialized experience.

35. Geospatial Database Analyst III
Role/Responsibilities

In this role, the Geospatial Database Analyst III administers all geospatial data through systems such as Spatial Database Engine (SDE), Oracle, and SQL Server. Includes loading/formatting geospatial data into SDE, Oracle, and SQL Server, troubleshooting data problems within SDE/Oracle/SQL Server, and continually tuning the database servers to optimize use and access. Administers all ArcGIS Server web mapping applications. Provides technical support to GIS staff on geospatial database issues/problems and on ArcGIS Server issues/problems including all phases of production, data collection, data standardization, QA/QC, metadata creation, and CDROM production. Manages GIS software updates and installs. Assists GIS staff with projects involving the creation and/or maintenance of geospatial data. Assists GIS staff with mapping and analysis tasks, and assisting in distributing products.

Education: BS/BA Geography or related field required, MS/MA preferred.

Substitution of experience for education may be made where four (4) years of experience will be equivalent to a four (4) year degree. Years of experience, which are used to substitute for a college degree, cannot be used to otherwise qualify for the general experience requirement. Substitution of a master's degree for experience may be made where a master's degree will be equivalent to two (2) years of experience

Experience: 8 years+ of general experience with 5 years to 8years+ of specialized experience.

36. Computer Programmer I
Role/Responsibilities

In this role, the Computer Programmer I applies knowledge of computer science principles, information management principles, data processing functions, ADP hardware and software systems structures and operations, and computer programming languages and techniques to solve automation problems. Applies scientific, engineering or business objectives by writing, modifying, or adapting computer programs in machine level, assembly, and third or fourth generation programming languages. Uses standard or conventional approaches to define, plan, organize, design, develop, modify, test and integrate database or data processing systems, computer hardware systems, and simulation models. Responsible for segments or phases of special projects.

Education: Substitution of a degree for experience may be made where a four (4) year bachelor degree will be equivalent to four (4) years of experience and a two (2) year associate degree will be equivalent to two (2) years of experience.

Experience: 1 years+ of general experience.

37. Data Analyst I
Role/Responsibilities

In this role, the Data Analyst I provides support in data collection activities and data analysis tasks including, but not limited to, collection and analysis of data, research, survey data and program evaluation.

Education: Substitution of a degree for experience may be made where a four (4) year bachelor degree will be equivalent to four (4) years of experience and a two (2) year associate degree will be equivalent to two (2) years of experience.

Experience: 1 years+ of general experience.

38. Subject Matter Expert III
Role/Responsibilities

In this role, the Subject Matter Expert III recognized for strong expertise in latest cutting technologies. Utilizes functional area expertise gained through direct industry experience to assess the operational and functional baseline of an organization and its organizational components. Works with senior managers and executives to provide industry vision and strategic direction with regard to their enterprise. Guides the determination of information technology inadequacies and/or deficiencies that affect the functional area's ability to support/meet organizational goals. Generates functional area strategies for enhanced IT operations in a cross-functional area mode throughout the organization. Participates in account strategy sessions, strategic assessments and design reviews to validate enterprise approach and associated work products.

Education: BS/BA-CS, CIS, EE, Math or equivalent technical studies.
                          Substitution of experience for education may be made where four (4) years of experience will be equivalent to a four (4) year degree. Years of experience, which are used to substitute for a college degree, cannot be used to otherwise qualify for the general experience requirement. Substitution of a master's degree for experience may be made where a master's degree will be equivalent to two (2) years of experience

Experience: Minimum 10 years of industry experience Minimum 6 year of area of specialization

39. Intermediate I Computer Scientist/System Analyst
Role/Responsibilities:

In this role, Intermediate I Computer Scientist/System Analyst provides computer engineering and computer systems analysis.

Education: BA/BS is required. Substitution of a degree for experience may be made where a four (4) year bachelor degree will be equivalent to four (4) years of experience and a two (2) year associate degree will be equivalent to two (2) years of experience.

Experience: 3 years+ of general experience.

40. Senior I Computer Scientist/System Analyst
Role/Responsibilities:

In this role, Senior I Computer Scientist/System Analyst provides computer engineering and computer systems analysis.

Education: BA/BS is required. Substitution of a degree for experience may be made where a four (4) year bachelor degree will be equivalent to four (4) years of experience and a two (2) year associate degree will be equivalent to two (2) years of experience.

Experience: 8 years+ of general experience.

41. Senior II Computer Scientist/System Analyst
Role/Responsibilities:

In this role, Senior II Computer Scientist/System Analyst provides computer engineering and computer systems analysis.

Education: BA/BS is required. Substitution of a degree for experience may be made where a four (4) year bachelor degree will be equivalent to four (4) years of experience and a two (2) year associate degree will be equivalent to two (2) years of experience.

Experience: 15 years+ of general experience.

42. Technical Support II
Role/Responsibilities:

Technical support varies widely. In administration, technical support includes graphical artist specialists. In computer service design, technical support includes graphical design. For engineer service, technical support means technicians to support the engineering efforts. These may be helpdesk, test technicians, installation technicians, support technicians, etc. In software development, technical support is help desk, computer installation, copier support, telephone support, etc. In equipment maintenance, the technical support is an equipment repair technician and includes depot through field repairs.

Education: High School Degree is required. Substitution of a degree for experience may be made where a four (4) year bachelor degree will be equivalent to four (4) years of experience and a two (2) year associate degree will be equivalent to two (2) years of experience.

Experience: 3 years of general experience.

43. Technical Support III
Role/Responsibilities:

Technical support varies widely. In administration, technical support includes graphical artist specialists. In computer service design, technical support includes graphical design. For engineer service, technical support means technicians to support the engineering efforts. These may be helpdesk, test technicians, installation technicians, support technicians, etc. In software development, technical support is help desk, computer installation, copier support, telephone support, etc. In equipment maintenance, the technical support is an equipment repair technician and includes depot through field repairs.

Education: High School Degree is required. Substitution of a degree for experience may be made where a four (4) year bachelor degree will be equivalent to four (4) years of experience and a two (2) year associate degree will be equivalent to two (2) years of experience.

Experience: 6 years of general experience.

44. Technical Support IV
Role/Responsibilities:

Technical support varies widely. In administration, technical support includes graphical artist specialists. In computer service design, technical support includes graphical design. For engineer service, technical support means technicians to support the engineering efforts. These may be helpdesk, test technicians, installation technicians, support technicians, etc. In software development, technical support is help desk, computer installation, copier support, telephone support, etc. In equipment maintenance, the technical support is an equipment repair technician and includes depot through field repairs.

Education: High School Degree is required. Substitution of a degree for experience may be made where a four (4) year bachelor degree will be equivalent to four (4) years of experience and a two (2) year associate degree will be equivalent to two (2) years of experience.

Experience: 10 years of general experience.

45. Geospatial Information Scientist and Technologist (Senior)

Role/Responsibilities: Research or develop geospatial technologies. May produce databases, perform applications programming, or coordinate projects. May specialize in areas such as agriculture, mining, health care, retail trade, urban planning, or military intelligence.

Education: BA/BS is required. Substitution of a degree for experience may be made where a four (4) year bachelor degree will be equivalent to four (4) years of experience and a two (2) year associate degree will be equivalent to two (2) years of experience.
Experience: 5 years of general experience.

46. Geospatial Information Scientist and Technologist (SME)
Role/Responsibilities: Research or develop geospatial technologies. May produce databases, perform applications programming, or coordinate projects. May specialize in areas such as agriculture, mining, health care, retail trade, urban planning, or military intelligence.

Education: BA/BS is required. Substitution of a degree for experience may be made where a four (4) year bachelor degree will be equivalent to four (4) years of experience and a two (2) year associate degree will be equivalent to two (2) years of experience.
Experience: 8+ years of general experience.

47. Information Technology Project Manager (SME)
Role/Responsibilities: Plan, initiate, and manage information technology (IT) projects. Lead and guide the work of technical staff. Serve as liaison between business and technical aspects of projects. Plan project stages and assess business implications for each stage. Monitor progress to assure deadlines, standards, and cost targets are met.
Education: BA/BS is required. Substitution of a degree for experience may be made where a four (4) year bachelor degree will be equivalent to four (4) years of experience and a two (2) year associate degree will be equivalent to two (2) years of experience.
Experience: 8+ years of general experience.

48. Training and Development Specialist (SME)
Role/Responsibilities: Design and conduct training and development programs to improve individual and organizational performance. May analyze training needs.
Education: BA/BS is required. Substitution of a degree for experience may be made where a four (4) year bachelor degree will be equivalent to four (4) years of experience and a two (2) year associate degree will be equivalent to two (2) years of experience.
Experience: 8+ years of general experience.

49. Sr. Technical Writer
Role/Responsibilities: Write technical materials, such as equipment manuals, appendices, or operating and maintenance instructions. May assist in layout work.
Education: BA/BS is required. Substitution of a degree for experience may be made where a four (4) year bachelor degree will be equivalent to four (4) years of experience and a two (2) year associate degree will be equivalent to two (2) years of experience.
Experience: 5+ years of general experience.

50. Quality Assurance Specialist
Role/Responsibilities: A quality assurance specialist must have at least 2 years specialized experience in quality assurance and/ or quality control.
Education: BA/BS is required. Substitution of a degree for experience may be made where a four (4) year bachelor degree will be equivalent to four (4) years of experience and a two (2) year associate degree will be equivalent to two (2) years of experience.
Experience: 2+ years of general experience.

51. Senior Solution Architect
Role/Responsibilities: A solutions architect must substantiate specialized and holistic technical expertise specific to the Order parameters and must have at least 3 years of experience working as a solutions architect. Evidence of prior

experience will be required and may include planning, establishing, enhancing, or maintaining complex technical solutions.

Education: BA/BS is required. Substitution of a degree for experience may be made where a four (4) year bachelor degree will be equivalent to four (4) years of experience and a two (2) year associate degree will be equivalent to two (2) years of experience.

Experience: 3+ years of general experience.

52. Senior Cloud System Engineer

Role/Responsibilities: A cloud systems engineer must have programmatic technical expertise based upon the Cloud platform service provided. Requires a minimum of 2 years of specialized experience on top of applicable training. 5 years or more of relevant experience is required where the individual does not also substantiate relevant training.

Education: BA/BS is required. Substitution of a degree for experience may be made where a four (4) year bachelor degree will be equivalent to four (4) years of experience and a two (2) year associate degree will be equivalent to two (2) years of experience.

Experience: 5+ years of general experience.

53. Senior Business Analyst

Role/Responsibilities: A business analyst must have at least 5 years of experience and have strong written and verbal communication skills that translate well into requirements baselines that both technical experts and business owners can understand. Ability to provide detailed, comprehensive, testable and traceable process components in a number of formats including, but not limited to Business Requirements, Functional Requirements, Data Requirements, System Software Specifications, Use Cases, User Story, etc. Toolsets (e.g. JIRA) and preferred documentation expertise shall be detailed at the Order level.

Education: BA/BS is required. Substitution of a degree for experience may be made where a four (4) year bachelor degree will be equivalent to four (4) years of experience and a two (2) year associate degree will be equivalent to two (2) years of experience.

Experience: 5+ years of general experience.

54. Senior Web Software Developer

Role/Responsibilities: A senior web software developer must have senior level development technical expertise based upon the web-based platform service provided. Nascent technologies may have limited experience, but must be heavily supported with training and education. Established technologies require a minimum of 5 years of specialized experience on top of applicable training. 7 years or more of relevant experience is required where the individual does not also substantiate relevant training.

Education: BA/BS is required. Substitution of a degree for experience may be made where a four (4) year bachelor degree will be equivalent to four (4) years of experience and a two (2) year associate degree will be equivalent to two (2) years of experience.

Experience: 7+ years of general experience.

55. Task Manager

Role/Responsibilities: A task manager must have at least 3 years of proven project management experience specific to the task area role and Order definition.

Education: BA/BS is required. Substitution of a degree for experience may be made where a four (4) year bachelor degree will be equivalent to four (4) years of experience and a two (2) year associate degree will be equivalent to two (2) years of experience.

Experience: 3+ years of general experience.

IT PROFESSIONAL SERVICES (CLOUD) PRICE LIST 2023 (SIN 518210C) (IFF Included)

IT Professional Services (CLOUD)	GSA Rate
1. Cloud IT Security Specialist	$126.89
2. Cloud Database Administrator	$117.88
3. Cloud Quality Assurance Specialist	$86.65
4. Cloud Business Analyst	$107.81
5. Sr. Cloud Systems Engineer	$145.09
6. Cloud Program Manager	$136.02
7. Cloud Solutions Architect	$146.75
8. Sr. Cloud Subject Matter Expert (SME)	$226.70
9. Cloud Project Manager	$120.91
10. Cloud Technical Writer	$78.59
11. Jr. Cloud System Engineer	$93.01
12. Cloud DevOps Engineer	$116.25
13. Sr. Cloud Software Developer	$156.74

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Spatial Front, Inc.
GSA Schedule Contract
Labor Category Descriptions SIN 518210C
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1. Cloud IT Security Specialist
Role/Responsibilities
Maintains a working knowledge of security tools such as, but not limited to, Tenable, Tanium, Splunk, ServiceNow, and Forescout. Provides vulnerability mitigation support and customers as it relates to vulnerability data received from the scanning software. Evaluates vulnerability report results ensuring we receive the most accurate and valid data as it pertains to the environment. Creates, reviews, and tracks Risk Based Decisions (RBDs), waivers, or Plan of Actions and Milestones (POA&M) items as needed. Reports any vulnerabilities or scanning results that indicate suspicious activity or a potential network infection, to the incident handling team. Suspicious activity may include, but is not limited to: the presence of malware, peer-to-peer networking software or especially critical vulnerabilities. Serves as the Detection and Monitoring liaison to mission areas regarding vulnerability management including, but not limited to, vulnerability alerting, emergency directives, binding operation directives, reporting, tracking, meetings, and coordination.

Education: Bachelors
                 Substitution of experience for education may be made where four (4) years of experience will be equivalent to a four (4) year degree. Years of experience, which are used to substitute for a college degree, cannot be used to otherwise qualify for the general experience requirement. Substitution of a master's degree for experience may be made where a master's degree will be equivalent to two (2) years of experience

Experience: Minimum 2 years of experience

2. Cloud Database Administrator
Role/Responsibilities
Designs, manages and maintains database of high complexity in a cloud environment. Analyzes database requirements of assigned projects. Analyzes and determines information needs and elements, database relationships and attributes, proposed manipulation, data flow and storage requirements, and data output and reporting capabilities. Applies knowledge of database management systems to coordinate maintenance and changes to databases. Tests and

implements changes or new database designs. Perform database recovery and back-up. Writes logical and physical database descriptions, including location, space, access method, and security requirements. Provides direction to programmers and analysts as required to affect changes to database management systems. Provides answers to database questions. Knowledge of and ability to monitor databases, analyze and organize data, and apply new technology designs and programs. Evaluates and optimizes database configuration and access. Advises users on access to multiple databases, and resolve database performance and capacity issues; data confliction and inappropriate usage.

Education: Bachelors

Substitution of experience for education may be made where four (4) years of experience will be equivalent to a four (4) year degree. Years of experience, which are used to substitute for a college degree, cannot be used to otherwise qualify for the general experience requirement. Substitution of a master's degree for experience may be made where a master's degree will be equivalent to two (2) years of experience

Experience: Minimum 4 years of experience

3. Cloud Quality Assurance Specialist
Role/Responsibilities

Develops and executes software tests to identify software problems and their causes. Tests system modifications to prepare for implementation. Documents software and application defects using a bug tracking system and report defects to software or web developers. Creates and maintains databases of known defects. May participate in software design reviews to provide input on functional requirements, operational characteristics, product designs, and schedules.

Education: Bachelors

Substitution of experience for education may be made where four (4) years of experience will be equivalent to a four (4) year degree. Years of experience, which are used to substitute for a college degree, cannot be used to otherwise qualify for the general experience requirement. Substitution of a master's degree for experience may be made where a master's degree will be equivalent to two (2) years of experience

Experience: Minimum 2 years of experience

4. Cloud Business Analyst
Role/Responsibilities

Interprets results using a variety of techniques, ranging from simple data aggregation via statistical analysis to complex data mining. Leads, designs, develops, implements and maintains business solutions. Works directly with senior clients and project and business leaders to identify analytical requirements. Has knowledge of commonly-used concepts, practices, and procedures within a particular field. May supervise more junior business analysts.

Education: Bachelors

Substitution of experience for education may be made where four (4) years of experience will be equivalent to a four (4) year degree. Years of experience, which are used to substitute for a college degree, cannot be used to otherwise qualify for the general experience requirement. Substitution of a master's degree for experience may be made where a master's degree will be equivalent to two (2) years of experience

Experience: Minimum 2 years of experience

5. Sr. Cloud Systems Engineer
Role/Responsibilities

Serves as a lead engineer to implement and design server, network, and software configurations for a cloud computing infrastructure and applications with a focus on DevOps principles. Monitors the performance of systems. Expert in standard concepts, practices, and procedures of cloud technology, including Software as Service (SaaS), Platform as Service (PaaS), or Infrastructure as a Service (IaaS). May supervise more junior staff.

Education: Bachelors

Substitution of experience for education may be made where four (4) years of experience will be equivalent to a four (4) year degree. Years of experience, which are used to substitute for a college degree, cannot be used to otherwise qualify for the general experience requirement. Substitution of a master's degree for experience may be made where a master's degree will be equivalent to two (2) years of experience

Experience: Minimum 5 years of experience

6. Cloud Program Manager
Role/Responsibilities

Provides program leadership and vision. Develops and manages a clear and detailed program plan. Manages multiple projects and apply common standards and processes to the execution of projects. Coordinates between project managers and the scheduling and tracking of projects. Monitors program progress, issues, risks and reports. Oversees and manages program budget and contract administration. Serves as the primary point of contact to the CO and COR on all matters. Provides supervision and guidance to personnel as appropriate. Prepares and/or gives presentations and briefings. Possess strong interpersonal and customer service skills. Has strong problem solving skills and is able to quickly address and resolve a variety of issues.

Education: Bachelors

Substitution of experience for education may be made where four (4) years of experience will be equivalent to a four (4) year degree. Years of experience, which are used to substitute for a college degree, cannot be used to otherwise qualify for the general experience requirement. Substitution of a master's degree for experience may be made where a master's degree will be equivalent to two (2) years of experience

Experience: Minimum 6 years of experience

7. Cloud Solutions Architect
Role/Responsibilities

Designs and implements enterprise infrastructure and platforms required for cloud computing. Analyzes system requirements and ensures that systems will be securely integrated with current applications. Has a deep understanding of system development in cloud environments, including Software as Service (SaaS), Platform as Service (PaaS), or Infrastructure as a Service (IaaS). Reports to a manager or head of a unit/department. Work is generally independent and collaborative in nature.

Education: Bachelors

Substitution of experience for education may be made where four (4) years of experience will be equivalent to a four (4) year degree. Years of experience, which are used to substitute for a college degree, cannot be used to otherwise qualify for the general experience requirement. Substitution of a master's degree for experience may be made where a master's degree will be equivalent to two (2) years of experience

Experience: Minimum 4 years of experience

8. Sr. Cloud Subject Matter Expert (SME)
Role/Responsibilities

Provides technical knowledge and analysis of highly specialized applications and operational environments with a cloud focus. High-level functional systems analysis, design, integration, documentation and implementation advice on moderately complex problems that require an appropriate level of knowledge of the cloud for effective implementation. Applies principles, methods and knowledge of the functional area of capability to specific task order requirements, advanced mathematical principles and methods to exceptionally difficult and narrowly defined technical problems in engineering and other scientific applications to arrive at automated solutions. Assists other senior consultants with analysis and evaluation and with the preparation of recommendations for system improvements, optimization, development, and/or maintenance efforts in the following specialties: information systems architecture, networking; telecommunications, automation; communications protocols, risk management/electronic analysis, software; lifecycle management, software development methodologies, and modeling and simulation. Commensurate experience in IT and in new and related older technology that directly relates to the required area of expertise.

Education: Bachelors

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Experience: Minimum 6 years of experience

9. Cloud Project Manager
Role/Responsibilities

Monitors project progress, issues, risks and reports. Manages and coordinates project tasks, activities, resources and budgets. Oversees and manages multiple projects and provides high quality deliverables and services within budget and on-time. Provides supervision and guidance to personnel as appropriate. Prepares and/or give presentations and briefings. Possesses strong interpersonal and customer service skills. Has strong problem solving skills and be able to quickly address and resolve a variety of issues. May require specialized IT technical knowledge in the cloud environment.

Education: Bachelors

Substitution of experience for education may be made where four (4) years of experience will be equivalent to a four (4) year degree. Years of experience, which are used to substitute for a college degree, cannot be used to otherwise qualify for the general experience requirement. Substitution of a master's degree for experience may be made where a master's degree will be equivalent to two (2) years of experience

Experience: Minimum 4 years of experience

10. Cloud Technical Writer
Role/Responsibilities

Writes and edits a variety of technical articles, reports, manuals, web and social media content and/or speeches and presentations for a wide range of uses. Able to use data and research to develop themes and storytelling in support of agency communications goals. Works with other members of a mission-oriented business services team, from planning stages through final release or presentation to coordinate production schedules, plan review cycles, and maintain version control. May be responsible for coordinating the display of graphics, the scripting of presentations, and the production and publication of documents in conjunction with high-visibility news events.

Education: Bachelors

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Experience: Minimum 2 years of experience

11. Jr. Cloud System Engineer
Role/Responsibilities

Helps implement and design server, network, and software configurations for a cloud computing infrastructure and applications with a focus on DevOps principles. Monitors the performance of systems. Knowledge of standard concepts, practices, and procedures of cloud technology, including Software as Service (SaaS), Platform as Service (PaaS), or Infrastructure as a Service (IaaS).

Education: Bachelors

Substitution of experience for education may be made where four (4) years of experience will be equivalent to a four (4) year degree. Years of experience, which are used to substitute for a college degree, cannot be used to otherwise qualify for the general experience requirement. Substitution of a master's degree for experience may be made where a master's degree will be equivalent to two (2) years of experience

Experience: Minimum 1 years of experience

12. Cloud DevOps Engineer
Role/Responsibilities

Builds, tests and maintains cloud infrastructure and tools so that software can be developed and released. DevOps (development operations) is a series of practices and processes that help organizations speed up and automate aspects of developing, testing, releasing and updating software. Develops solutions encompassing technology, process, and people for: Continuous Delivery and Integration strategy & operations (including cloud). Responsible for build and release management, has a basic understanding of Networking Security (fair understanding of application and infrastructure security. Maintains strong expertise and knowledge of current and emerging processes, techniques and tools.

Education: Bachelors
         Substitution of experience for education may be made where four (4) years of experience will be equivalent to a four (4) year degree. Years of experience, which are used to substitute for a college degree, cannot be used to otherwise qualify for the general experience requirement. Substitution of a master's degree for experience may be made where a master's degree will be equivalent to two (2) years of experience

Experience: Minimum 4 years of experience

13. Sr. Cloud Software Developer
Role/Responsibilities
Applies knowledge of computer science principles, information management principles, data processing functions, hardware and software systems structures and operations, and computer programming languages and techniques to solve automation problems. Analyzes user needs and develop software solutions, applying principles and techniques of computer science, engineering, and mathematical analysis. Updates software or enhances existing software capabilities. May work with computer hardware engineers to integrate hardware and software systems, and develop specifications and performance requirements. May maintain databases within an application area, working individually or coordinating database development as part of a team. Leads segments or phases of special projects. May supervise junior programmers.

Education: Bachelors
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Experience: Minimum 6 years of experien

IT PROFESSIONAL SERVICES (SECURITY) PRICE LIST 2023 (SIN 54151HACS) (IFF Included)

IT Professional Services (SECURITY)	GSA Rate
1. SEC DevOps Engineer	$171.61
2. SEC Sr Security Engineer	$208.38
3. SEC Program Mananger	$132.79
4. SEC Security Engineer	$148.42
5. SEC Solutions Architect	$152.32
6. SEC Sr IT Security Specialist	$126.89
7. SEC IT Security Specialist	$92.53

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Spatial Front, Inc.
GSA Schedule Contract
Labor Category Descriptions SIN 54151HACS
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1. SEC DevOps Engineer
Role/Responsibilities
Builds, tests and maintains cloud infrastructure and tools so that software can be developed and released. DevOps (development operations) is a series of practices and processes that help organizations speed up and automate aspects

of developing, testing, releasing and updating software. Develops solutions encompassing technology, process, and people for: Continuous Delivery and Integration strategy & operations (including cloud). Responsible for build and release management, has a basic understanding of Networking Security (fair understanding of application and infrastructure security. Maintains strong expertise and knowledge of current and emerging processes, techniques and tools.

Education: Bachelors

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Experience: Minimum 4 years of experience

2. SEC Sr Security Engineer
Role/Responsibilities

Security Leads the maintenance of systems to protect data from unauthorized users. Performs and documents operational-level monitoring activities necessary to reinforce the secure operation of IT components, including user workstations, servers, networking equipment, and other infrastructure components. Identifies and reports vulnerabilities, misconfigurations, non-operational security agents, and other potential exposure. Integrates activities across all operational teams to perform a full range of operational security and analysis duties on all IT assets.

Education: Bachelors

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Experience: Minimum 6 years of experience

3. SEC Program Manager
Role/Responsibilities

Provides program leadership and vision. Develops and manages a clear and detailed program plan. Manages multiple projects and apply common standards and processes to the execution of projects. Coordinates between project managers and the scheduling and tracking of projects. Monitors program progress, issues, risks and reports. Oversees and manages program budget and contract administration. Serves as the primary point of contact to the CO and COR on all matters. Provides supervision and guidance to personnel as appropriate. Prepares and/or gives presentations and briefings. Possess strong interpersonal and customer service skills. Has strong problem solving skills and is able to quickly address and resolve a variety of issues.

Education: Bachelors

Substitution of experience for education may be made where four (4) years of experience will be equivalent to a four (4) year degree. Years of experience, which are used to substitute for a college degree, cannot be used to otherwise qualify for the general experience requirement. Substitution of a master's degree for experience may be made where a master's degree will be equivalent to two (2) years of experience

Experience: Minimum 6 years of experience

4. SEC Security Engineer
Role/Responsibilities

Monitors networks, computers, and applications in large organizations, looking for events and traffic indicators that signal intrusion. Determines the damage caused by detected intrusions, identifies how an intrusion occurred, and recommends safeguards against similar intrusions. Also does penetration testing to identify vulnerabilities and recommend safeguards as preemptive measures. Prepares incident reports of analysis methodology and results. Reports on incident findings to appropriate agencies. Use information gathered to improve effectiveness of response of the operation and security teams.

Education: Bachelors

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degree, cannot be used to otherwise qualify for the general experience requirement. Substitution of a master's degree for experience may be made where a master's degree will be equivalent to two (2) years of experience

Experience: Minimum 4 years of experience

5. SEC Solutions Architect
Role/Responsibilities

Designs and develops complex database and application solutions which may run on multiple platforms and may be composed of multiple software packages. This role performs critical evaluation and selection of the software and hardware components of the application and prepares for the development of the application by evaluation and selection of development methodologies and tools. This role is responsible for performance, availability and scalability of the applications, and maintains the functional interface to the application infrastructure.

Education: Bachelors
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Experience: Minimum 4 years of experience

6. SEC Sr IT Security Specialist
Role/Responsibilities

Leads the install, implement, administer, operate, monitor, analyze, provide maintenance, and report on IT security infrastructure compromised of Physical and virtual servers on premises and in cloud including hardware rack and stack. Provides operating system management, patching and hardening per federal and agency policies and guidelines. Assists in designing, developing, maturing, and sustaining a cloud presence, and the security services contained therein. Monitors and responds to the ticket management system on incident and fulfillment requests for systems based on standard change, incident, and fulfillment guidelines Ensures that any scan tools and intrusion detection systems used are maintained to match the vendor release cycles. May supervise junior staff.

Education: Bachelors
Substitution of experience for education may be made where four (4) years of experience will be equivalent to a four (4) year degree. Years of experience, which are used to substitute for a college degree, cannot be used to otherwise qualify for the general experience requirement. Substitution of a master's degree for experience may be made where a master's degree will be equivalent to two (2) years of experience

Experience: Minimum 4 years of experience

7. SEC IT Security Specialist
Role/Responsibilities

Maintains a working knowledge of security tools such as, but not limited to, Tenable, Tanium, Splunk, ServiceNow, and Forescout. Provides vulnerability mitigation support and customers as it relates to vulnerability data received from the scanning software. Evaluates vulnerability report results ensuring we receive the most accurate and valid data as it pertains to the environment. Creates, reviews, and tracks Risk Based Decisions (RBDs), waivers, or Plan of Actions and Milestones (POA&M) items as needed. Reports any vulnerabilities or scanning results that indicate suspicious activity or a potential network infection, to the incident handling team. Suspicious activity may include, but is not limited to: the presence of malware, peer-to-peer networking software or especially critical vulnerabilities. Serves as the Detection and Monitoring liaison to mission areas regarding vulnerability management including, but not limited to, vulnerability alerting, emergency directives, binding operation directives, reporting, tracking, meetings, and coordination.

Education: Bachelors
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Experience: Minimum 2 years of experience