GENERAL SERVICE ADMINISTRATION FEDERAL SUPPLY SERVICE

AUTHORIZED FEDERAL SUPPLY SCHEDULE PRICE LIST

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: MAS Award Schedule
Federal Supply Group: Information Technology Professional Services

Contract Number: GS-35F-181BA

Price list current as of MASS Modification #16 effective 7/11/2023

Contract Period: January 29, 2024 - January 28, 2029

Contractor: TechnoGen, Inc.
        4229 Lafayette Center Drive, Ste 1880,
        Chantilly, VA 20151

Business Size: **Women Owned Small Business, Small Disadvantage Business**

Telephone Number: (703) 565-2831

Website: **www.technogeninc.com**

Email: lax@technogeninc.com

Contract Administrator: Lax Chepuri

1a Table of Awarded Special Item Numbers:

SIN	SIN Description
54151S	IT Professional Services
541611	Management and Financial Consulting, Acquisition and Grants Management Support, and Business Program and Project Management Services
OLM	Order-Level Materials (OLMs)

1b. Identification of the lowest priced model number and lowest unit price for that model for each special item number awarded in the contract. N/A

1c. If the Contractor is proposing hourly rates a description of all corresponding commercial job titles, experience, functional responsibility, and education for those types of employees or subcontractors who will perform services shall be provided. Please see Labor Category Descriptions/Qualifications below starting on page 5.

2. **Maximum Order:** $500,000.00 54151S and $1,000,000.00 541611

3. **Minimum Order:** $100.00

4. **Geographic Coverage (delivery area): Domestic**

5. **Point(s) of production (city, county, and state or foreign country):** Same as company address

6. **Discount from list prices or statement of net price:** Government net prices (discounts already deducted).

7. **Quantity discounts: None**

8. **Prompt payment terms: Net 30** Information for Ordering Offices: Prompt payment terms cannot be negotiated out of the contractual agreement in exchange for other concessions

9. **Foreign items (list items by country of origin): None**

10a. **Time of Delivery (Contractor insert number of days):** Specified on the Task Order

10b. **Expedited Delivery.** Contact Contractor

10c. **Overnight and 2-day delivery.** Contact Contractor

10d. **Urgent Requirements.** Contact Contractor

11. **F.O.B Points(s):** Destination

12a. **Ordering Address(es):** Same as Contractor

12b. Ordering procedures: For supplies and services, the ordering procedures, information on Blanket Purchase Agreements (BPA's), are found in Federal Acquisition Regulation (FAR) 8.405-3.

13. Payment address(es): Same as company address

14. **Warranty provision:** N/A

15. **Export Packing Charges (if applicable):** N/A

16. **Terms and conditions of rental, maintenance, and repair (if applicable):** N/A

17. **Terms and conditions of installation (if applicable):** N/A

18. **Terms and conditions of repair parts indicating date of parts price lists and any discounts from list prices (if applicable):** N/A

19. **Terms and conditions for any other services (if applicable): N/A**

19a. List of service and distribution points (if applicable): N/A

20. **List of participating dealers (if applicable):** N/A

21. **Preventive maintenance (if applicable):** N/A

22a. Environmental attributes, e.g., recycled content, energy efficiency, and/or reduced pollutants: N/A

22b. If applicable, indicate that Section 508 compliance information is available on Electronic and Information Technology (EIT) supplies and services and show where full details can be found (e.g. contactor's website or other location.) The EIT standards can be found at: N/A

23. **Unique Entity Identification Number: CH3NM7BJ5977**

24. **Notification regarding registration in System for Award Management (SAM):** SAM registration is active and current.

Labor Rates – SIN 54151S

Labor Category	01/29/24 - 01/28/25	01/29/25 - 01/28/26	01/29/26 - 01/28/27	01/29/27 - 01/28/28	01/29/28 - 01/28/29
Program/Project Manager	$105.05	$107.15	$109.30	$111.49	$113.71
.Net Consultant	$95.08	$96.99	$98.93	$100.91	$102.92
J2EE Consultant	$91.32	$93.15	$95.01	$96.92	$98.85
ERP Consultant	$130.48	$133.09	$135.75	$138.46	$141.23
ERP Analyst	$118.69	$121.07	$123.49	$125.95	$128.47
Web Designer	$90.11	$91.91	$93.74	$95.62	$97.53
SME Consultant	$148.37	$151.35	$154.37	$157.45	$160.60
Database Administrator	$97.31	$99.25	$101.24	$103.26	$105.33
Database Architect	$128.91	$131.49	$134.12	$136.80	$139.54
Database & Datawarehouse Analyst	$106.86	$109.00	$111.17	$113.40	$115.67
Database & Datawarehouse Programmer	$97.31	$99.25	$101.24	$103.26	$105.33
Functional Analyst	$120.82	$123.23	$125.70	$128.22	$130.79
Network Administrator	$93.17	$95.03	$96.94	$98.87	$100.85
Business Analyst	$89.02	$90.80	$92.61	$94.47	$96.36
Computer Systems Analyst	$109.08	$111.26	$113.49	$115.76	$118.08
Sharepoint Developer	$91.43	$93.25	$95.11	$97.02	$98.96
Hyperion/Essbase Developer	$92.57	$94.43	$96.31	$98.24	$100.20
Mobile Developer	$98.52	$100.49	$102.50	$104.54	$106.64
QA Manual/Automation/OpenSource	$78.20	$79.76	$81.35	$82.97	$84.63
ColdFusion Developer	$77.07	$78.61	$80.18	$81.78	$83.42
ETL Developer II	$77.06	$78.60	$80.17	$81.77	$83.41
Mainframe Developer	$74.61	$76.10	$77.62	$79.17	$80.76
Database Developer	$88.86	$90.63	$92.44	$94.30	$96.18
DW/SME	$146.76	$149.69	$152.69	$155.74	$158.85
QlikView Developer	$115.68	$117.99	$120.35	$122.76	$125.22
Software Engineer	$73.58	$75.05	$76.55	$78.09	$79.65
Business Analyst Jr.	$61.69	$62.92	$64.18	$65.46	$66.77
ETL Developer I	$58.45	$59.62	$60.81	$62.03	$63.26
Middleware Consultant	$73.83	$75.31	$76.83	$78.37	$79.94

Labor Rates SIN 541611

Labor Category	01/29/24 - 01/28/25	01/29/25 -01/28/26	01/29/26 -01/28/27	01/29/27 -01/28/28	01/29/28 -01/28/29
Systems Analyst	$110.05	$112.24	$114.49	$116.78	$119.11
Solutions Analyst	$109.46	$111.65	$113.88	$116.16	$118.49
Business Analyst/Consultant	$103.20	$105.27	$107.38	$109.52	$111.71
Systems Architect	$141.90	$144.75	$147.64	$150.59	$153.60
Functional Area Consultant	$100.17	$102.18	$104.22	$106.31	$108.43
Project Manager	$115.32	$117.63	$119.99	$122.39	$124.84
Subject Matter Expert	$129.20	$131.78	$134.42	$137.11	$139.85
Project Execution Specialist	$93.82	$95.70	$97.61	$99.57	$101.56

SIN 54151S IT Professional Services Labor Category Descriptions

Program/ Project Manager

Minimum/General Experience: Software development and/or systems engineer background along with seven plus years of project leadership/management experience, having been involved in full life cycle projects.

Functional Responsibilities: Directs the performance of a variety of related projects, which may be organized by technology, program, or client. Oversees the technology development and / or application, marketing, and resource allocation within program client base. Program areas typically represents more than three functional areas that may include engineering, GIS and geospatial, systems analysis, quality control, administration, etc. Responsible for the effective management of funds and personnel, and is accountable for the quality and timely delivery of all contractual items. Operates within client guidance, contractual limitations, and Company business and policy directives. Serves as focal point-of-contact with client regarding program activities. Ensures that all required resources including manpower, production standards, computer time, and facilities are available for program implementation. Manages program consisting of multiple projects including project identification, design, development, and delivery. Maintains the development and execution of business opportunities based on broad, general guidance. Confers with project manager to provide technical advice and to assist with problem resolution. Responsible for marketing new technology and follow-on business acquisitions. May perform other duties as assigned.

Minimum Education: Bachelor Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

.NET Consultant

Minimum/General Experience: Minimum 6 years of hands-on experience developing, designing, and delivering web applications. Strong foundation in software design/architecture, development, coding and delivering using .Net framework.

Functional Responsibilities: Analyzes functional business applications and design specifications for functional activities. Develops block diagrams and logic flow charts. Translates detailed design into computer software using .NET Architecture and programming concepts. Tests, debugs, and refines the computer software to produce the required product. Prepares required documentation, including both program-level and user-level documentation.

Enhances software to reduce operating time or improve efficiency.

Minimum Education: Bachelor Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

J2EE Consultant

Minimum/General Experience: 6 years' experience, with at least in specialized J2EE development. Analyze business requirements and provide solutions: write high-level spec, detailed designs, develop code and perform sub-system testing.

Functional Responsibilities: Analyzes functional business applications and design specifications for functional activities. Develops block diagrams and logic flow charts. Translates detailed design into computer software using JAVA/ J2EE Architecture and programming concepts. Tests, debugs, and refines the computer software to produce the required product. Prepares required documentation, including both program-level and user-level documentation. Enhances software to reduce operating time or improve efficiency. Provides technical direction to programmers to ensure program deadlines are met.

Minimum Education: Bachelor Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

ERP Consultant

Minimum/General Experience: 7 years of experience with at least in specialized ERP development, possess a variety of experience in **ERP** business applications from feasibility to implementation.

Functional Responsibility: Performs evaluation and complex implementation tasks for Enterprise Resource Planning (ERP) and ERP-related software products using broad industry experience and broad vendor experience, including overall industry best practices and extensive product knowledge. May lead the overall project, lead the technical portion of the project, or create the overall technical solution. Provides knowledge of multiple functional areas or other areas of expertise with hands-on experience in multiple modules or vendors and has the ability to transfer knowledge and skill including vendor selection criteria development and application. Accomplished at high level professional or managerial level roles and knowledgeable about applying technology to business operations in multiple industries. Applies extensive industry best practice experience to develop recommendations for vendor

selection, overall application strategy, and cost benefit decisions regarding development / modifications. Creates overall system architecture based on business requirements and delivers tested, integrated systems. Responsible for resource usage and project accomplishments along the project path. Acts as the identified point of contact for the project.

Minimum Education: Bachelor Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

ERP Analyst

Minimum/General Experience: 4 or more years of experience with at least in specialized ERP development. Experienced developing and customizing specific modules based on business requirements and delivering tested, integrated systems.

Functional Responsibility: Knowledge of Specific functional areas of expertise, with hands-on experience in multiple modules or vendors and has the ability to transfer knowledge. Certified in applying technology/ ERP modules to business operations in specific industries. Applies extensive industry best practices, overall module/ business area strategy, and cost benefit decisions regarding development / modifications. Develops/ customize specific modules based on business requirements and delivers tested, integrated systems.

Minimum Education: Bachelor Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Web Designer

Minimum/General Experience: Four or more years of experience with web design tools. Experienced developing process flows, wireframes, and mockups to effectively conceptualize and communicate high- level design strategies and detailed interaction behaviors.

Functional Responsibility: Works independently in support of client requirements. Installs and configures WWW hardware; installs and implements WWW software; designs, develops, implements, and maintains Home/WEB pages tailored to client requirements. Utilize software, such as, JAVA, HTML, Windows 95/NT, Visual C++, Visual Basic, PERL, C Shell scripts, Novell Netware, UNIX, TCP/IP, and various WEB authoring tools, e.g., Microsoft's FrontPage and Lotus Notes' Domino. Monitor usage, pages browsed, time online; maintain currency with the Internet Service Provider's (ISPs), e.g., CompuServe, AOL, and Traveler's capabilities and performance by tracking

downtime, and online performance. Remain abreast of the latest developments in software, hardware, and services provided by the ISPs and recommends upgrades/alternatives to more effectively meet client requirements. Navigate databases; develop capabilities to prevent unauthorized intrusions; train users on ISP, homepage, and WKW use; and prepare/edit system documentation. Responsible for designing new Internet Protocol version 6 (IPv6) networks and/or planning transition documents IPv4 to IPv6.

Minimum Education: Bachelor Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

SME Consultant
Minimum/General Experience: Ten years of experience providing technical expertise within a specific subject-area or discipline, and having knowledge and understanding of applicable technical concepts and practices.

Functional Responsibility: Expert in single or multiple technical disciplines. Provides expert guidance and insight into specific technologies and their application and independently performs a variety of system design and integration tasks where a specific subject matter expertise is necessary. Plans and performs research, design assessment, development, integration and other assignments in a specific technical area. Supervises broad team of systems engineers. Responsible for highly complex technical/engineering areas.

Minimum Education: Bachelor Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Database Administrator
Minimum/General Experience: Five years of experience providing database administration support and associated database systems as well as having knowledge and understanding of applicable technical concepts and practices.

Functional Responsibility: Under general direction, responsible for activities related to database administration. Ensures long-term requirements of database operations and administration are included in the overall database planning of the organization. Responsible for the installation, maintenance, configuration, and integrity of computer software. Implements database enhancements that will improve the reliability and performance of the system.

Minimum Education: Associate degree in a technical discipline or two years of

formal technical training.

Database Architect

Minimum/General Experience: 10 years of experience, with at least 8 years of specialized experience in Database design and development.

Functional Responsibility: Designs and builds relational databases. Develops strategies for data acquisitions, archive recovery, and implementation of a database. Works in a data warehouse environment, which includes data design, database architecture, metadata and repository creation. Translates business needs into long-term architecture solutions. Defines, designs, and builds dimensional databases. Develops data warehousing blueprints, evaluating hardware and software platforms, and integrating systems. Evaluates reusability of current data for additional analyses. Reviews object and data models and the metadata repository to structure the data for better management and quicker access.

Minimum Education: Bachelor Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Database & Datawarehouse Analyst

Minimum/General Experience: 6 or more years of experience designing, implementing, analyzing, and modifying Datawarehouse system. Understanding of how Datawarehouse interface with each other systems.

Functional Responsibility: Designs, implements, analyzes, and modifies Datawarehouse system. Works with users to define Datawarehouse requirements and resolve problems. Reviews and edits requirements, specifications, processes and recommendations related to proposed solution. Develops functional specifications and Datawarehouse design specifications for client engagements. Leads testing efforts. Ensures issues are identified, tracked, reported on and resolved in a timely manner. Possesses understanding in the areas of application programming, database and Datawarehouse design. Understands Internet, Intranet, Extranet and client/server architectures. Understands how Datawarehouse interface with each other systems. Identifies critical issues with ease.

Minimum Education: Bachelor Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Database & Data Warehouse Programmer

Minimum/General Experience: 4 or more years of experience developing block diagram, logic flow charts and translating detailed design into Datawarehouse development.

Functional Responsibility: Analyzes Datawarehouse and design specifications for functional/business activities. Develops block diagram and logic flow charts. Translates detailed design into Datawarehouse development. Tests, debugs, and refines the Datawarehouse/ ETL/Front end reporting to produce the required results. Prepares required documentation, including both business-level and user-level documentation. Enhances Datawarehouse/ ETL/ Reporting to reduce operating time or improve efficiency.

Minimum Education: Bachelor Degree in Computer Science, Information Systems, Engineering, or other related scientific or technical discipline.

Functional Analyst

Minimum/General Experience: 7 or more years of experience analyzing and testing activities in support of business solution development and process improvement efforts. Involvement in the full lifecycle of the project whereby duties preparing functional requirements documents, test plans, test scripts, executing test processes, and supporting user adoption and training for the newly developed system.

Functional Responsibility: Responsible for systems process analysis and design. Requires understanding of organization's business systems and industry requirements. Provides Expert guidance and insight into specific technologies and their application and independently performs a variety of system design and integration tasks where a specific subject matter expertise is necessary. Plans and performs research, design assessment, development, integration and other assignments in a specific technical area. Creates process change by integrating new processes with existing ones and communicating these changes to impacted Business Systems teams. Recommends and facilitates quality improvement efforts.

Minimum Education: Bachelor Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Network Administrator

Minimum/General Experience: Four years of experience providing network and information systems support, similar to that described under functional responsibility, and having knowledge and understanding of applicable technical concepts and practices.

Functional Responsibility: Under general direction, manages the purchase, installation, and support of network communications, including LAN/WAN systems. Responsible for evaluating current systems. Works on complex problems where analysis of situation requires in-depth evaluation of various factors. Plans large- scale systems projects through vendor comparison and cost studies. Provides work leadership and training to lower level network engineers. Expert knowledge of LAN/WAN systems, networks, and applications.

Minimum Education: Bachelor Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Business Analyst

Minimum/General Experience: Minimum of seven years of experience is required, of which four years must be specialized. Specialized experience required includes: conducting JAD, gathering requirements, facilitation, ability to read and understand various programming languages, ability to communicate in technical jargon and skills in technical documentation.

Functional Responsibility: Designs, implements, analyzes, and modifies systems for various applications. Works with users to define system requirements and resolve problems. May supervise programmers and manage small projects. Reviews and edits requirements, specifications, processes and recommendations related to proposed solution. Develops functional specifications and system design specifications for client engagements. Leads testing efforts. Ensures issues are identified, tracked, reported on and resolved in a timely manner. Works with client personnel to identify required changes. Communicates needed changes to development team. Assists in enforcement of project deadlines and schedules. Communicates and applies project standards. Manages resources in accordance with project schedule. Assists in the facilitation of team and client meetings. Delivers informative, well-organized presentations. Possesses understanding in the areas of application programming, database and system design. Understands Internet, Intranet, Extranet and client/server architectures. Understands how legacy and web-based systems interface with each other. Communicates effectively with clients

to identify needs and evaluate alternative solutions with project management. Conducts effective progress evaluations in a timely manner. Works independently and provides supervision to staff.

Minimum Education: Bachelor Degree in Computer Science, Information Systems, Engineering, or other related scientific or technical discipline.

Computer Systems Analyst

Minimum/General Experience: 5 or more years of experience analyzing and designing of business applications on complex, large-scale systems. Knowledge of state-of-the-art storage and retrieval methods is required, as well as the ability to formulate specifications for computer programmers to use in coding, testing, and debugging of computer software, plus one year of systems analysis experience designing technical applications on computer systems. General experience required includes: increasing responsibilities in information systems design and management, and demonstrated work on requirements that are moderately complex to analyze, plan, program, and implement.

Functional Responsibility: Works independently or under general direction on computer systems that are moderately complex to analyze, plan, program, and operate. Analyzes and develops computer software possessing a wide range of capabilities, including numerous engineering, business, and records management. Develops plans for various systems from project inception to conclusion. Analyzes problems and the information to be processed. Defines the problem, and develops system requirements and program specifications, from which programmers prepare systems documentation, programs, and tests. Coordinates with programmers to ensure proper implementation of program and system specifications.

Minimum Education: Bachelor Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

SharePoint Developer

Minimum/General Experience: 5 or more year of experience in SharePoint development, including web parts, user controls, event handlers. Experience in developing web services. Experience in SharePoint designer for both workflow and customization.

Functional Responsibility: Responsible for developing and providing content that will motivate and entertain users so that they regularly access the website and utilize it as a major source for information and decision making. Responsible for managing/performing website editorial activities including

gathering and researching information that enhances the value of the site. Locates, negotiates and pursues content. Seeks out customers to gather feedback for website improvement and enhancements. Experience in production management, web page design, HTML and web graphics types and standards.

Minimum Education: Bachelor Degree in Computer Science, Information Systems, Engineering, or other related scientific or technical discipline.

Hyperion / Essbase Developer

Minimum/General Experience: 4 or more years of experience with Essbase, Planning, Smartview and HFM. Strong Technical background with good functional exposure in Finance modules.

Functional Responsibility: Strong Technical background with good functional exposure in Finance modules. Hands-on and solid experience Essbase, Planning, Smartview and HFM and provide technical support across all the modules. Interact with Business Users to get the Information. Support Hyperion Suite of products. Assist with Budget updates in Hyperion Planning.

Minimum Education: Bachelor Degree in Computer Science, Information Systems, Engineering, or other related scientific or technical discipline.

Mobile Developer

Minimum/General Experience: 4 or more years of experience with mobile device development for iPhone, iPad, and Android using different programming languages.

Functional Responsibility: Application development using C#, Objective C, Java, PERL, Action script and JavaScript. Proficient with various database engines including: Microsoft SQL Server, MySQL, and Oracle. Web development experience: HTML/xHTML, CSS, DOM, Flash, JQuery / Mootools, and XML. Experienced with mobile device development for iPhone, iPad, and Android using Xcode and Eclipse. Understands technical and functional design requirements. Produce well commented modular code based on efficient object-oriented design. Understands client/server systems architecture. Assists data structure design, application coding, performance and stability testing, and security.

Minimum Education: Bachelor Degree in Computer Science, Information Systems, Engineering, or other related scientific or technical discipline.

QA (Manual, Automation, Open Source)

Minimum/General Experience: 3 or more years in Automated testing, Integration testing and System testing.

Functional Responsibility: Create and execute test plans and scripts for all new functionality, regression, and stress testing conditions. Create the functional decomposition of applications as part of feature testing and develop test coverage matrices to maximize testing efficiency. Use optimization techniques to minimize the number of test cases and time effort while maximizing test coverage. Organize and facilitate reviews, inspections, and walkthroughs of test plans. Build out test repository and document all test cases. Track issues found during QA and UAT lifecycle. Facilitate UAT Process in coordination with Business Analysts. Document test progress and incident tracking. Publish test results and progress matrix. Investigate potential defects, work with developers and analyst to isolate root cause, and drive resolution. Manage QA test tools.

Minimum Education: Associate degree in a technical discipline or two years of formal technical training.

Cold Fusion Developer

Minimum/General Experience: 4 or more years in developing Web applications using Cold Fusion, Knowledge of securing the web server, analyzing logs and secure ColdFusion development

Functional Responsibility: Strong experience in developing Web applications using Cold Fusion, Knowledge of securing the web server, analyzing logs and secure ColdFusion development (in addition to knowledge of ColdFusion file structure and execution). Cold Fusion 8 or later, Flex and/or Flash development, Fuse Box Development, Web Application Security, GUI Development, and Microsoft SQL server.

Minimum Education: Associate degree in a technical discipline.

ETL Developer II

Minimum/General Experience: 5 or more years of experience working with Informatica and/or Talend. Prior experience working with Telecom Network Information for mapping data from legacy systems to target systems. Ability to design and develop complex ETL Processes and identify areas of optimizations.

Functional Responsibility: Responsible for gathering requirements, design, development, testing, maintenance and support of complex data extracts, transforming as per the business rules and load (ETL) programs. The Developer will also be actively participating in design and analysis sessions with Architects to ensure flawless design. An understanding of how to transform complex data from heterogeneous sources and load into the various target systems is a critical part of this role. Experience in data modeling , data mapping , data conversion and migration. Worked on a wide variety of ETL tools. Experienced using transformations like Aggregators, Sorter, Lookups, Filters, Expression, Router, Joiner, Source Qualifier, Update Strategy, and Sequence Generator. Involved in Performance tuning and Unit testing of mappings. Experienced with interacting with client business managers to understand business drivers.

Minimum Education: Bachelor Degree in Computer Science, Information Systems, Engineering or other related scientific or technical discipline.

Mainframe Developer

Minimum/General Experience: 4 or more years of programming and analysis experience. Experience in COBOL, DB2, IMSB, IMS-DC, CLIST, JCL, VSAM, SKELS, CA7, QMF, SPUFI.

Functional Responsibility: Experience on mainframe development projects. Design and development of new code to support of various change requests, ability to design reviews. Identifying and involving any additional necessary business and IT SMEs to support project requirement. Perform code changes as required to support the new/decommissioned functionality. Experience in COBOL, DB2, IMSB, IMS-DC, CLIST, JCL, VSAM, SKELS, CA7, QMF, SPUFI. Experience with mainframe change control processes and tools (Endevor, ChangeMan, PUPS). Experience with Unified SDM process.

Minimum Education: Bachelor Degree in Computer Science, Information Systems, Engineering, or other related scientific or technical discipline.

Database developer

Minimum/General Experience: 4 or more years of experience in designing and developing clinical web application database layer.

Functional Responsibility: Provide detailed analysis of problems; prepare detailed design documents with recommendation, Support and enhance existing database schemas. Analyze performance of applications and take actions to prevent performance issues. Provide support to QA team with data

comparison. Troubleshoot and resolve production support issues. Actively participate in the development and implementation of new processes that improve efficiency and enhance productivity. Expertise in database schema design and maintenance, experience designing and tuning highly-available and high-volume transactional database. Experience with data replication and data migration tools and Knowledge of the programming best practices.

Minimum Education: Bachelor Degree in Computer Science, Information Systems, Engineering or other related scientific or technical discipline.

DW/SME
Minimum/General Experience: 10 or more years of experience designing and campaigning business intelligence solutions.

Functional Responsibility: Expert in single or multiple technical disciplines. Provides Expert guidance and insight into Datawarehouse technologies and their application and independently performs a variety of Datawarehouse design and integration tasks where a specific subject matter expertise is necessary. Plans and performs research, design assessment, development, integration and other assignments in a specific technical area. Supervises broad team of Datawarehouse experts. Responsible for highly complex technical/engineering areas. May perform other duties, as assigned.

Minimum Education: Bachelor Degree in Computer Science, Information Systems, Engineering, or other related scientific or technical discipline.

Qlikview Developer

Minimum/General Experience: 4 or more years of experience generating reports using Qlikview. Experience in performance tuning, deployment, requirements gathering, deployment, and user training. Experience in using Qlikview functions.

Functional Responsibility: Participate in various customer projects to design, build, test and deploy complex analytical solutions utilizing QlikView. Collect and organize requirements. Create, evaluate and select appropriate design alternatives which meet requirements and are consistent with standards and processes. Extract, transform and load data into QlikView applications. Develop, test, and debug QlikView applications. Migrate code across development, testing and production environments. Create publisher jobs and develop documentation. Transfer knowledge to the services and support teams. Experience utilizing QlikView to implement complex analytical solutions

which access data from multiple sources. Developing Business Intelligence (BI), Analytical solutions, QlikView data models, QlikView extension objects, QlikView server, publisher and data loads. Experience in clustering and scaling QlikView environments utilizing scripting language and QlikView Publisher capabilities. Tune data loads and QlikView application for efficient performance.

Minimum Education: Bachelor Degree in Computer Science, Information Systems, Engineering, or other related scientific or technical discipline.

Software Engineer

Minimum/General Experience: 4 or more years in Full development lifecycle with design, development, testing and implementation skills. Experience in systems integration around interface design, data conversion and solution architecture. Ability to develop technical specifications from business requirements and the ability to develop unit test procedures and test scripts.

Functional Responsibility: Design, develop and implement software applications that satisfy complex business requirements to support operations. Participate in all phases of SDLC from initial requirements through final quality assurance and implementation. Support technology team members with application design and implementation. Provide production support for application and tools built by the team.

Minimum Education: Bachelor Degree in Computer Science, Information Systems, Engineering, or other related scientific or technical discipline.

Business Analyst Jr.

Minimum/General Experience: 3 or more years gathering requirements, creating functional and technical specifications.

Functional Responsibility: The roles and responsibility of the Business Analyst is to support Application Services functions. This includes meeting with key clients and gathering requirements, creating functional and technical specifications, unit and system testing. In addition, the Analyst is the primary liaison between the business and MIS for all project and enhancement requirements. The Analyst will lead analysis meetings with clients to determine and prioritize their business and system requirements for specific enhancements and projects, and communicate. This position provides status input to Client Relationship Manager for management reporting to client and MIS executives. This position is responsible for ensuring the delivery of quality documentation and meeting client requirements (e.g. business system analysis and functional design requirements).

Minimum Education: Bachelor Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

ETL Developer I
Minimum/General Experience: 3 or more years of experience with large RDBMS/Data Warehousing platforms.

Functional Responsibility: The ETL Developer will provide inputs to design, build and implement an ETL & Data Quality Framework. The candidate should have demonstrable expert-level ETL (Extract, Transform, Load), development experience successfully building an ETL & Data Quality framework leveraging past Technology experience. Experience with large RDBMS/Data Warehousing platforms. The ETL Developer will work as part of a small ETL and Data Quality Team to deliver a reusable ETL and Data Quality Framework. Experience with ETL & Data Quality Implementation for Large Projects. Demonstrable experience working with projects that span ETL, Data Modeling, Reverse Engineering in the Analytics domain.

Minimum Education: Associate degree in a technical discipline.

Middleware Consultant
Minimum/General Experience: 3 or more years of experience designing application integration services using Oracle or similar leading industry Middleware technologies.

Functional Responsibility: Engineer, design and implement middleware solutions that meet user needs with respect to functionality, performance, scalability, and reliability. Works on project teams to implement a variety of middleware products. Designing and implementing middleware infrastructure such as weblogic application server, soa suite domains for high availability. Advanced features such as clustering, JMS distributed destinations, SAF. Advanced Security features such as SSO and SAML setup. Advanced knowledge of multi data source, Oracle RAC connections. Advanced design of SOA infrastructure services. Knowledge on OEM. Troubleshooting using thread dumps, log analysis. Providing tier 4 support and root cause analysis for Production incidents. Performance tuning, analyzing and optimizing performance test results.

Minimum Education: Bachelor Degree in Computer Science, Information Systems, Engineering, or other related scientific or technical discipline.

LABOR CATEGORIES – 541611 (MANAGEMENT AND FINANCIAL CONSULTING, ACQUISITION AND GRANTS MANAGEMENT SUPPORT, AND BUSINESS PROGRAM AND PROJECT MANAGEMENT SERVICES)

1. **System Analyst**

   Minimum/General Experience: Three years of progressive experience in Systems Analysis or Business Information Systems experience.

   Functional Responsibility: Provides translation of business requirements including significant managerial and implementation experience. Provides complex business infrastructure analysis activities. Prepares reports and gives presentations to upper management. Closely coordinates with stakeholders to ensure proper implementation.

   Minimum Education: A Bachelor degree in Business, Finance, Management, Information Systems or other related discipline

2. **Solutions Analyst**

   Minimum/General Experience: 10 years of related experience

   Functional Responsibility: Analyze current business processes and measure them against business goals. Collaborating with management and other business stakeholders to develop high quality business solutions. Determine new processes necessary to accomplish reporting and management goals. Manage multiple analysis projects simultaneously. Capture customer experience workflows. Presents high-level solution for approval.

   Minimum Education: Bachelor degree in computer science, computer information systems, information technology.

3. Business Analyst/ Consultant

Minimum/General Experience: At least two year of related experience

Functional Responsibility: Staff professional, expert in a specific domain with general knowledge of other domains. Provides strategic guidance and influences program direction. Recommends large scale information system solutions and assists with business integration across organizational levels. Provides program-level guidance within area of expertise and recommends domain-specific solutions and policies. Evaluates various business models including cost-benefit analysis and return on investment (ROI), quality assurance and project auditing.

Minimum Education: A Bachelor degree in Business, Finance, Management, Information Systems or other related discipline.

4. Systems Architect

Minimum/General Experience: At least 15 years of related experience
Functional Responsibility: Provides design and strategic directions to all stakeholders. Responsible for designing and helping to implement complex integration solutions.
Minimum Education: Master degree in computer science, computer information systems, information technology

5. Functional Area Consultant

Minimum/General Experience: At least eight years of related experience
Functional Responsibility: Possesses and applies a comprehensive knowledge across key tasks and high impact assignments. Plans and executes major assignments. Defines risks and benefits of various approaches for a given need. Identify and develop lessons learned, best practices, processes, and standards for effectively carrying out migration activities.
Minimum Education: Bachelor degree in computer science, computer information systems, information technology or related field.

6. Project Manager

Minimum/General Experience: Must have ten (10) years of project leadership experience with projects involving management, organizational, business, and/or technical services including five (5) years of supervisory/management experience with project planning and control.

Functional Responsibility: Interfaces with client management personnel, managers, and customer agency representatives relating to engagement management and scope. Responsible for formulating and enforcing work standards, assigning staff schedules, reviewing work quality, communicating policies, purposes and goals of the organization to subordinates. The Project Manager must have a demonstrated capability in the overall management of complex tasks, and strong team building skills including reporting of contract performance. Experience also includes project development from inception to deployment, with a demonstrated ability to provide guidance and direction in the tasks defined in the scope of work. Proven expertise in the management and control of funds and resources is a must along with advanced knowledge of automated Project Management software tools. The Project Manager shall also have demonstrated capability in the overall simultaneous management of simultaneous multiple complex tasks.

Minimum Education: Bachelor Degree in a field applicable to this position, i.e., accounting, Healthcare information management. Project Management Certification is required.

7. Subject Matter Expert

Minimum/General Experience: 10 years of overall experience with 3 years of experience handling a role of SME.

Functional Responsibility: Confers with client management to understand the client's strategic information technology business goals and information technology strategy. Analyzes client requirements and recommends development or acquisition strategies. Assist in developing strategic plans and concepts. Demonstrate exceptional oral and written communication skills for reporting to supervisors. Possess requisite knowledge and expertise so recognized in the professional community that the individual is considered "expert" in the technical/specialty area being addressed.

Minimum Education: Bachelor degree in computer science, Information Technology, a Relevant Engineering Discipline, or the Equivalent in a Related Field

8. **Project Execution Specialist**

Minimum/General Experience: Minimum three years in consulting

Functional Responsibility: Coordinate project execution, conduct research, collect and distill data for developing solutions. Support the implementation of business solutions such as: process improvement diagnoses, process modeling and documentation, and benchmarking activities

Minimum Education: Minimum Bachelor Degree or equivalent in a related field