Msol, Inc. dba Macro Solutions
800 Maryland Ave. NE
Washington, DC 20002
Phone: (202) 618-8144
Fax: (703) 527-9315
http://macrosolutions.com
Contract Administrator: Ms. Amy Wright
Email: awright@macrosolutions.com

CONTRACT NUMBER: 47QTCA18D00A7

CONTRACT PERIOD: April 12, 2018 – April 11, 2023

Price List updated through Modification PS-A847 effective July 5, 2022

BUSINESS SIZE: Women Owned, Minority Owned Small Business

For more information on ordering from Federal Supply Schedules go to the GSA Schedules page at GSA.gov. Online access to contract ordering information, terms and conditions, up to date pricing, and the option to create an electronic delivery order are available through GSA Advantage!®, a menu driven database system. The internet address for GSA Advantage!® is: GSAAdvantage.gov
INFORMATION FOR ORDERING ACTIVITIES

1a. AUTHORIZED SPECIAL ITEM NUMBERS (SINs):

<table>
<thead>
<tr>
<th>SIN</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>518210C</td>
<td>Cloud and Cloud Related IT Professional Services</td>
</tr>
<tr>
<td>54151S</td>
<td>Information Technology Professional Services</td>
</tr>
<tr>
<td>OLM</td>
<td>Order-Level Materials (OLMs)</td>
</tr>
</tbody>
</table>

Note: Contractor has been awarded all Special Item Numbers under the Cooperative Purchasing

1b. Lowest Priced Model Number and Price for each SIN: See Price List

1c. SERVICES OFFERED: See Price List

2. MAXIMUM ORDER PER SIN:

<table>
<thead>
<tr>
<th>SIN</th>
<th>MAXIMUM ORDER</th>
</tr>
</thead>
<tbody>
<tr>
<td>518210C</td>
<td>$500,000</td>
</tr>
<tr>
<td>54151S</td>
<td>$500,000</td>
</tr>
<tr>
<td>OLM</td>
<td>$250,000</td>
</tr>
</tbody>
</table>

3. MINIMUM ORDER LIMITATION: $100

4. GEOGRAPHIC COVERAGE (DELIVERY AREA): The geographic scope of this contract is the 48 contiguous states, Alaska, Hawaii, Puerto Rico, Washington, DC, and U.S. Territories

5. POINT OF PRODUCTION: United States

6. BASIC DISCOUNT: Prices listed are net, discounts have been deducted and the industrial funding fee has been added

7. QUANTITY DISCOUNT: None Offered

8. PROMPT PAYMENT TERMS: None, 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: None

10a. TIME OF DELIVERY: Not Applicable to Services

10b. EXPEDITED DELIVERY: Contact Contractor

10c. OVERNIGHT AND 2-DAY DELIVERY: Contact Contractor

10d. URGENT REQUIREMENTS: Contact Contractor

11. F.O.B. POINT: Not Applicable to Services

12a. ORDERING ADDRESS: MSOL INC.

| 800 MARYLAND AVE NE |
| WASHINGTON, DC 20002 |

12b. ORDERING PROCEDURES: For supplies and service the ordering procedures, information on Blanket Purchase Agreements (BPAs) are found in Federal Acquisition Regulation (FAR) 8.405-3

13. PAYMENT ADDRESS: Same as Ordering Address
<table>
<thead>
<tr>
<th></th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.</td>
<td><strong>WARRANTY PROVISION:</strong> Standard Commercial Warranty</td>
</tr>
<tr>
<td>15.</td>
<td><strong>EXPORT PACKING CHARGES:</strong> Not Applicable</td>
</tr>
<tr>
<td>16.</td>
<td><strong>TERMS AND CONDITIONS OF RENTAL:</strong> Not Applicable</td>
</tr>
<tr>
<td>17.</td>
<td><strong>TERMS AND CONDITIONS OF INSTALLATION:</strong> Not Applicable</td>
</tr>
<tr>
<td>18a.</td>
<td><strong>TERMS AND CONDITIONS OF REPAIR PARTS:</strong> Not Applicable</td>
</tr>
<tr>
<td>18b.</td>
<td><strong>TERMS AND CONDITIONS FOR ANY OTHER SERVICES:</strong> Not Applicable</td>
</tr>
<tr>
<td>19.</td>
<td><strong>LIST OF SERVICE AND DISTRIBUTION POINTS:</strong> Not Applicable</td>
</tr>
<tr>
<td>20.</td>
<td><strong>LIST OF PARTICIPATING DEALERS:</strong> Not Applicable</td>
</tr>
<tr>
<td>21.</td>
<td><strong>PREVENTIVE MAINTENANCE:</strong> Not Applicable</td>
</tr>
<tr>
<td>22a.</td>
<td><strong>SPECIAL ATTRIBUTES:</strong> Not Applicable</td>
</tr>
<tr>
<td>22b.</td>
<td><strong>SECTION 508 COMPLIANCE INFORMATION:</strong> Not Applicable</td>
</tr>
<tr>
<td>23.</td>
<td><strong>UNIQUE ENTITY IDENTIFIER (UEI) NUMBER:</strong> LB6JMKM7N816</td>
</tr>
<tr>
<td>24.</td>
<td><strong>CONTRACTOR HAS REGISTERED IN THE SYSTEM FOR AWARD MANAGEMENT (SAM) DATABASE.</strong></td>
</tr>
</tbody>
</table>
Labor Category Descriptions

ERP Project Leader 3

**Functional Responsibilities:** Experienced with planning, estimating, organizing, staffing, and executing projects. The Project Leader must have four years intensive and progressive experience in supervising and managing substantive application software development or implementation projects. They must have had a management role in the implementation of the ERP applications at one site specifically for at least one-year. The responsibilities of the ERP Project Leader are as follows:

- Organize, direct, and coordinate the planning and production of all the client deliveries within a reasonable span of control and assigned projects,
- Complete task assignments within estimated time frames and budget constraints,
- Schedule and assign duties to subordinates,
- Meet with client personnel, task leaders, and client representatives,
- Formulate and review task assignments and deliverable items,
- Review contractors task proposals and ensure conformance with the task assignment requirements,
- Provide support to services delivered under the clients contract to ensure to the maximum extent practical that software and related products satisfy the requirements and needs of client organization,
- Actively apply quality assurance measures to the management and performance of the contract.

**Minimum Education:** Bachelor’s Degree

**Minimum Experience:** At least 7 Years of systems implementation professional experience. In addition, ERP Project Leaders have specific expertise with ERP software tools such as PeopleSoft, Oracle, SAP, Walker etc. as a consultant or as the employee of a user organization. They must also have experience in the design, development, implementation or usage of this software, be experts in business process reengineering, and possess industry specific knowledge.

ERP Systems Analyst 3

**Functional Responsibilities:** They are experienced in assisting in the planning, estimating, organizing, staffing, and executing projects. They must have had a project leader role in the implementation of the ERP applications at one site specifically for at least one-year and possess subject matter expertise in specific technologies or industries. The responsibilities of the Senior Systems Analyst are as follows:

- Lead large complex projects, with specific timetables and deliverables,
- Organize, direct, and coordinate the planning and production of all the client deliveries within a reasonable span of control and assigned project,
- Complete task assignments within estimated time frames and budget constraints,
- Schedule and assign duties to subordinates,
- Meet with client personnel and assigned functional and technical staff,
- Formulate deliverable items,
- Provide support to services delivered under the contract to ensure to the maximum extent practical that software and related products satisfy the requirements and needs of client organization,
- Actively apply quality assurance measures to the performance of the contract.

**Minimum Education:** Bachelor’s Degree

**Minimum Experience:** At least 6 Years of professional experience. In addition, ERP Systems Analysts have specific expertise with ERP software tools such as PeopleSoft, Oracle, SAP, Walker etc. as a consultant or as the employee of a user organization.
ERP Database Access Specialist 2

**Functional Responsibilities:** They are experienced in assisting in the planning, estimating, organizing, staffing, and executing projects. The responsibilities of the Database Access Specialist are as follows:

- Assist in large complex projects, with specific timetables and deliverables,
- Complete task assignments within estimated time frames and budget constraints,
- Meet with client personnel and assigned functional and technical staff,
- Execute deliverable items,
- Provide support to services delivered under the contract to ensure to the maximum extent practical that software and related products satisfy the requirements and needs of client organization,
- Actively apply quality assurance measures to the performance of the contract.

**Minimum Education:** Bachelor’s Degree

**Minimum Experience:** At least 4 Years of professional experience. In addition, ERP Database Access Specialists have specific expertise with ERP software tools such as PeopleSoft, Oracle, SAP, Walker etc. as a consultant or as the employee of a user organization.

ERP Business Analyst 4

**Functional Responsibilities:** ERP Business Analysts are experienced in assisting in the planning, estimating, organizing, staffing, and executing projects. They must have had at least one-year of experience with ERP applications and possess subject matter expertise in specific technologies or industries. The responsibilities of the ERP Business Analyst (3) are as follows:

- Manage multiple project teams,
- Analyze data and make recommendations
- Provide subject matter expertise
- Organize, direct, and coordinate the planning and production of all the client deliveries within a reasonable span of control and assigned project,
- Complete task assignments within estimated time frames and budget constraints,
- Meet with client personnel and assigned functional and technical staff,
- Formulate deliverable items,
- Provide support to services delivered under the contract to ensure to the maximum extent practical that software and related products satisfy the requirements and needs of client organization,
- Actively apply quality assurance measures to the performance of the contract.

**Minimum Education:** Bachelor’s Degree

**Minimum Experience:** At least 7 Years of professional experience. In addition, ERP Business Analysts have specific expertise with ERP software tools such as PeopleSoft, Oracle, SAP, Walker etc. as a consultant or as the employee of a user organization.
ERP Programmer/Analyst 4

Functional Responsibilities: ERP Programmer/Analysts must have two years intensive and progressive experience in analysis, design, development and implementation of substantive application software development or implementation projects. They must have experience with ERP applications at one site specifically for at least one-year.

The responsibilities of the ERP Programmer/Analyst (4) are as follows:

- Provide input and leadership to project team for project deliveries and assigned tasks,
- Analyze the need for, and develop designs for enhancements to and/or maintenance of the ERP applications
- Participates in all phases of ERP applications implementation with emphasis on the analysis of needs, design of solutions, testing, documentation and acceptance phases,
- Analyze programming requirements; creates, designs, and develops requirements in specified -media; provides program support, tests, debugs, and writes documentation as required,
- Designs databases
- Complete task assignments within estimated time frames and budget constraints,
- Meet with client personnel, functional staff and technical staff,
- Actively apply quality assurance measures to the performance of the contract.

Minimum Education: Bachelor’s Degree

Minimum Experience: At least 5 years of professional experience. In addition, ERP Programmer/Analysts have specific expertise with ERP software tools such as PeopleSoft, Oracle, SAP, Walker etc. as a consultant or as the employee of a user organization.

ERP Technical Analyst 4

Functional Responsibilities: ERP Technical Analysts must have at least one year of intensive and progressive experience in analysis, design, development and implementation of substantive application software development or implementation projects.

- Develop designs for enhancements to and/or maintenance of financial applications,
- Analyze user requirements; creates, designs, and develops requirements in specified -media,
- Performs applications coding and testing for applications
- Develops technical documentation and training materials,
- Create input for client deliveries and assigned tasks,
- Complete task assignments within estimated time frames and budget constraints

Minimum Education: Bachelor’s Degree

Minimum Experience: At least 5 years of professional experience. In addition, ERP Technical Analysts have specific expertise with ERP software tools such as PeopleSoft, Oracle, SAP, Walker etc. as a consultant or as the employee of a user organization.
ERP Programmer/Analyst 2

Functional Responsibilities: ERP Programmer/Analyst must have one year intensive and progressive experience in analysis, design, development and implementation of substantive application software development or implementation projects.

The responsibilities of the ERP Programmer/Analyst (2) are as follows:

- Provide input and leadership to project team for project deliveries and assigned tasks,
- Analyze the need for, and develop designs for enhancements to and/or maintenance of the ERP applications,
- Participates in all phases of ERP applications implementation with emphasis on the analysis of needs, design of solutions, testing, documentation and acceptance phases,
- Analyze programming requirements; creates, designs, and develops requirements in specified media; provides program support, tests, debugs, and writes documentation as required,
- Designs databases
- Complete task assignments within estimated time frames and budget constraints,
- Meet with client personnel, functional staff and technical staff,
- Actively apply quality assurance measures to the performance of the contract.

Minimum Education: Bachelor’s Degree
Minimum Experience: At least 2 years of professional experience. In addition, ERP Associate Programmer/Analysts have specific expertise with ERP software tools such as PeopleSoft, Oracle, SAP, Walker etc. as a consultant or as the employee of a user organization.

GT Consultant 5

Functional Responsibilities: Demonstrates flexible use of relevant knowledge and techniques for program support, evaluation or research. Can apply this knowledge to complex assignments. Examples of specific duties may include developing data collection protocols, including survey forms, interview protocols, or focus group protocols, for project evaluation or survey research projects, conducting focus groups or interviews, and performing basic quantitative and qualitative data analysis for program evaluation or support. Recognized as a key contributor, having produced strong results across multiple engagements. Works with minimal supervision and technical guidance. May supervise a project team.

Minimum Education: Bachelor’s degree (or equivalent) in mathematics, computer science, engineering, business, or related field or equivalent work experience
Minimum Experience: 8 years

GT Consultant 4

Functional Responsibilities: Demonstrates consistent use of applicable knowledge and techniques for program, support, evaluation or research. Can apply this knowledge to complex assignments. Examples of specific duties may include developing data collection protocols, including survey forms, interview protocols, or focus group protocols, for project evaluation or survey research projects, conducting focus groups or interviews, and performing basic quantitative and qualitative data analysis for program evaluation or support. Recognized as a key contributor, having produced strong results across multiple engagements. Works with minimal supervision and technical guidance. May supervise a project team.

Minimum Education: Bachelor’s degree (or equivalent) in mathematics, computer science, engineering, business, or related field or equivalent work experience
Minimum Experience: 6 years
GT Consultant 3
Functional Responsibilities: Demonstrates consistent use of applicable knowledge and techniques for program, support, evaluation or research. Can apply this knowledge to complex assignments. Examples of specific duties may include developing data collection protocols, including survey forms, interview protocols, or focus group protocols, for project evaluation or survey research projects, conducting focus groups or interviews, and performing basic quantitative and qualitative data analysis for program evaluation or support. Recognized as a key contributor, having produced strong results across multiple engagements. Works with minimal supervision and technical guidance.
Minimum Education: Bachelor’s degree (or equivalent) in mathematics, computer science, engineering, business, or related field or equivalent work experience
Minimum Experience: 4 years

GT Consultant 2
Functional Responsibilities: Demonstrates consistent use of applicable knowledge and techniques for program, support, evaluation or research. Can apply this knowledge to complex assignments. Examples of specific duties may include developing data collection protocols, including survey forms, interview protocols, or focus group protocols, for project evaluation or survey research projects, conducting focus groups or interviews, and performing basic quantitative and qualitative data analysis for program evaluation or support.
Minimum Education: Bachelor’s degree (or equivalent) in mathematics, computer science, engineering, business, or related field or equivalent work experience
Minimum Experience: 2 years

GT Consultant 1
Functional Responsibilities: Demonstrates consistent use of applicable knowledge and techniques for program, support, evaluation or research. Can apply this knowledge to complex assignments. Examples of specific duties may include developing data collection protocols, including survey forms, interview protocols, or focus group protocols, for project evaluation or survey research projects, conducting focus groups or interviews, and performing basic quantitative and qualitative data analysis for program evaluation or support.
Minimum Education: Bachelor’s degree (or equivalent) in mathematics, computer science, engineering, business, or related field or equivalent work experience
Minimum Experience: 0 years

GT Analyst 5
Functional Responsibilities: Possesses demonstrated knowledge and experience applying analytic methodologies and principles to address client needs. Applies analytic techniques in the evaluation of project objectives and contributes to the implementation of strategic direction. Performs analyst functions including information gathering, data modeling, project testing, and creation of performance measurements to support project objectives. Conducts activities in support of project team’s objectives. Works with minimal supervision and technical guidance. May supervise a project team.
Minimum Education: Bachelor’s degree (or equivalent) in mathematics, computer science, engineering, business, or related field or equivalent work experience
Minimum Experience: 8 years
GT Analyst 4
Functional Responsibilities: Possesses demonstrated knowledge and experience applying analytic methodologies and principles to address client needs. Applies analytic techniques in the evaluation of project objectives and contributes to the implementation of strategic direction. Performs analyst functions including information gathering, data modeling, project testing, and creation of performance measurements to support project objectives. Conducts activities in support of project team’s objectives. Works with minimal supervision and technical guidance. May supervise a project team.
Minimum Education: Bachelor’s degree (or equivalent) in mathematics, computer science, engineering, business, or related field or equivalent work experience
Minimum Experience: 6 years

GT Analyst 3
Functional Responsibilities: Possesses demonstrated knowledge and experience applying analytic methodologies and principles to address client needs. Applies analytic techniques in the evaluation of project objectives and contributes to the implementation of strategic direction. Performs analyst functions including information gathering, data modeling, project testing, and creation of performance measurements to support project objectives. Conducts activities in support of project team’s objectives. Need minimal supervision to complete tasks
Minimum Education: Bachelor’s degree (or equivalent) in mathematics, computer science, engineering, business, or related field or equivalent work experience
Minimum Experience: 4 years

GT Analyst 2
Functional Responsibilities: Possesses demonstrated knowledge and experience applying analytic methodologies and principles to address client needs. Applies analytic techniques in the evaluation of project objectives and contributes to the implementation of strategic direction. Performs analyst functions including information gathering, data modeling, project testing, and creation of performance measurements to support project objectives. Conducts activities in support of project team’s objectives. Directs the activities of junior staff as necessary.
Minimum Education: Bachelor’s degree (or equivalent) in mathematics, computer science, engineering, business, or related field or equivalent work experience
Minimum Experience: 2 years

GT Software Engineer 3
Functional Responsibilities: Performs software design, implementation, and integration tasks within a software development effort. Requires the ability to write specifications; designs and develops documentation of data requirements; provides methodologies for evaluating moderately complex tasks.
Minimum Education: Bachelor's degree (or equivalent) in mathematics, computer science, engineering, business, or related field or equivalent work experience
Minimum Experience: 4 years
GT Subject Matter Expert

**Functional Responsibilities:** Serves as subject matter expert for a program, possessing in-depth knowledge of a particular area, such as industry, business, information technology, engineering, mathematics, or other areas. Provides technical knowledge and analysis of highly specialized applications and operational environments, high-level functional systems analysis, design, integration, documentation and implementation advice on exceptionally complex problems that need extensive knowledge of the subject matter for effective implementation. Participates as needed in all phases of the project with emphasis on the planning, analysis, testing, integration, documentation, and presentation phases. Applies principles, methods and knowledge of the functional area of capability to specific task order requirements.

**Minimum Education:** Bachelor’s degree (or equivalent) in mathematics, computer science, engineering, business, or related field or equivalent work experience

**Minimum Experience:** 10 years

ST Systems Analyst 5

**Functional Responsibilities:** Experienced in assisting in the planning, estimating, organizing, staffing, and executing projects. This position's general experience requirements are above and also the Systems Analyst (3) must have four years intensive and progressive experience in design, development and implementation of substantive application software development or implementation projects. The Systems Analyst (3) must have a minimum of four years’ experience in the project's technical environment and position four years’ experience in an environment of significant analyst work for the implementation or development of software applications.

The responsibilities of the Systems Analyst (3) are as follows:

- Under the Project Managers or Project Leaders direction, analyzes the need for and develops designs for enhancements to and/or maintenance of the applications,
- Performs application design, documentation and implementation of applications activities,
- Participates in all phases of application implementation with emphasis on the analysis of needs, design of solutions, testing, documentation and acceptance phases
- Analyzes programming requirements; creates, designs, and develops requirements in specified -media; provides program support, tests, debugs, and writes documentation as required,
- Creates input for client deliveries and assigned tasks,
- Completes task assignments within estimated time frames and budget constraints,
- Meets with client personnel, functional staff and technical staff,
- Actively applies quality assurance measures to the performance of the contract

**Minimum Education:** Bachelor's Degree

**Minimum Experience:** 8 Years of professional experience. A Systems Analyst (3) must have a minimum of 3 years’ experience with software development, application implementation, or application integration, either with the vendor, as a consultant or as the employee of a user organization.
ST Systems Analyst 4

Functional Responsibilities: Experienced in assisting in the planning, estimating, organizing, staffing, and executing projects. This position's general experience requirements are above and also the Systems Analyst (4) must have four years intensive and progressive experience in design, development and implementation of substantive application software development or implementation projects.

The Systems Analyst (3) must have a minimum of four years’ experience in the project's technical environment and position four years’ experience in an environment of significant analyst work for the implementation or development of software applications.

The responsibilities of the Systems Analyst (4) are as follows:

- Under the Project Managers or Project Leaders direction, analyzes the need for and develops designs for enhancements to and/or maintenance of the applications,
- Performs application design, documentation and implementation of applications activities,
- Participates in all phases of application implementation with emphasis on the analysis of needs, design of solutions, testing, documentation and acceptance phases
- Analyzes programming requirements; creates, designs, and develops requirements in specified -media; provides program support, tests, debugs, and writes documentation as required,
- Creates input for client deliveries and assigned tasks,
- Completes task assignments within estimated time frames and budget constraints,
- Meets with client personnel, functional staff and technical staff,
- Actively applies quality assurance measures to the performance of the contract

Minimum Education: Bachelor’s Degree

Minimum Experience: 6 Years of professional experience. A Systems Analyst (4) must have a minimum of 3 years’ experience with software development, application implementation, or application integration, either with the vendor, as a consultant or as the employee of a user organization.
ST Systems Analyst 1

**Functional Responsibilities:** Experienced in assisting in the planning, estimating, organizing, staffing, and executing projects. This position’s general experience requirements are above and also the Systems Analyst (1) must have two years intensive and progressive experience in design, development and implementation of substantive application software development or implementation projects. The Systems Analyst (1) must have a minimum of two years’ experience in the projects technical environment and position two years’ experience in an environment of significant analyst work for the implementation or development of software applications. The responsibilities of the Systems Analyst (1) are as follows:

- Under the Project Managers or Project Leaders direction, analyzes the need for and develops designs for enhancements to and/or maintenance of the applications,
- Performs application design, documentation and implementation of applications activities,
- Participates in all phases of application implementation with emphasis on the analysis of needs, design of solutions, testing, documentation and acceptance phases,
- Analyzes programming requirements; creates, designs, and develops requirements in specified media; provides program support, tests, debugs, and writes documentation as required,
- Creates input for client deliveries and assigned tasks,
- Completes task assignments within estimated time frames and budget constraints,
- Meets with client personnel, functional staff and technical staff,
- Actively applies quality assurance measures to the performance of the contract.

**Minimum Education:** Bachelor’s Degree

**Minimum Experience:** 3 Years of professional experience. A Systems Analyst (1) must have a minimum of 2 years’ experience with software development, application implementation, or application integration, either with the vendor, as a consultant or as the employee of a user organization.
ST Database Access Specialist 4

**Functional Responsibilities:** Experienced in assisting in the planning, estimating, organizing, staffing, and executing projects in a data base environment. The Database Access Specialist (4) must have knowledge of project's database environment procedures related to timing differences, table structure differences, data element field definition differences, data compatibility issues, query access tools, multi-site database integrity, version, and change control. This position requires five years of progressive experience in systems analysis and programming with three years in development and administration of various DBMSS including the project's environment.

The responsibilities of the Database Access Specialist (3) are as follows:

- Under the Project Managers or Project Leaders direction develop technical enhancements to and/or maintain systems in the selected database environment,
- Participates in the development and management of application databases,
- Creates conceptual and logical data models, logical and physical database designs, and supports application development and end user database access,
- Provides database performance monitoring and tuning, recovery, reorganization, and maintenance
- Provides data dictionary and end-user training and consults the system development groups
- Performs database technical design, programming, documentation and implementation of applications activities,
- Participates in all phases of database technical programming development with emphasis on the programming, testing, documentation and acceptance phases
- Analyzes programming requirements; creates, designs, and develops requirements in specified media; provides program support, tests, debugs, and writes documentation as required
- Creates input for client deliveries and assigned tasks,
- Completes task assignments within estimated time frames and budget constraints,
- Meets with client personnel, functional staff and technical staff,
- Actively apply quality assurance measures to the performance of the contract

**Minimum Education:** Bachelor’s Degree

**Minimum Experience:** 7 Years of professional experience. An ST Database Access Specialist (4) must have a minimum of 5 years’ experience with software development, application implementation, or application integration, either with the vendor, as a consultant or as the employees of a user organization.
ST Database Access Specialist 3

Functional Responsibilities: Experienced in assisting in the planning, estimating, organizing, staffing, and executing projects in a database environment. The Database Access Specialist (3) must have knowledge of project's database environment procedures related to timing differences, table structure differences, data element field definition differences, data compatibility issues, query access tools, multi-site database integrity, version, and change control. This position requires five years of progressive experience in systems analysis and programming with three years in development and administration of various DBMSS including the project's environment.

The responsibilities of the Database Access Specialist (3) are as follows:

- Under the Project Manager’s or Project Leader’s direction develop technical enhancements to and/or maintain systems in the selected database environment,
- Participates in the development and management of application databases,
- Creates conceptual and logical data models, logical and physical database designs, and supports application development and end user database access,
- Provides database performance monitoring and tuning, recovery, reorganization and maintenance,
- Provides data dictionary and end-user training and consults the system development groups
- Performs database technical design, programming, documentation and implementation of applications activities,
- Participates in all phases of database technical programming development with emphasis on the programming, testing, documentation and acceptance phases
- Analyzes programming requirements; creates, designs, and develops requirements in specified media; provides program support, tests, debugs, and writes documentation as required
- Creates input for client deliveries and assigned tasks,
- Completes task assignments within estimated time frames and budget constraints,
- Meets with client personnel, functional staff and technical staff,
- Actively apply quality assurance measures to the performance of the contract

Minimum Education: Bachelor’s Degree

Minimum Experience: 5 Years of professional experience. An ST Database Access Specialist (3) must have a minimum of 5 years’ experience with software development, application implementation, or application integration, either with the vendor, as a consultant or as the employees of a user organization.
**ST Project Leader 3**

**Functional Responsibilities:** An ST Project Leader 3 must be experienced in assisting in the planning, estimating, organizing, staffing, and executing projects. The ST Project Leader 3 must have total of four years intensive and progressive experience in supervising and managing substantive application software development or implementation projects. They must have had a project leader role in the implementation of a financial application at one site specifically for at least one-year. The responsibilities of the Project Leader 3 are as follows:

- Under the Project Manager’s direction organize, direct, and coordinate the planning and production of all the client deliveries within a reasonable span of control and assigned project,
- Complete task assignments within estimated time frames and budget constraints
- Schedule and assign duties to subordinates
- Meet with client personnel and assigned functional and technical staff
- Formulate deliverable items
- Provide support to services delivered under the contract to ensure to the maximum extent practical that software and related products satisfy the requirements and needs of client organization,
- Actively apply quality assurance measures to the performance of the contract

**Minimum Education:** Bachelor’s degree (or equivalent) in mathematics, computer science, engineering, business, or related field or equivalent work experience

**Minimum Experience:** 5 years

---

**ST Business Analyst 2**

**Functional Responsibilities:** ST Business Analysts 2 are experienced in assisting in the planning, estimating, organizing, staffing, and executing projects. They must have had at least one-year experience with software applications and possess subject matter expertise in specific technologies or industries. The responsibilities of the ST Business Analyst 2 are as follows:

- Manage multiple project teams
- Develop system requirements
- Provide functional expertise
- Analyze data, assist with software selection conduct business process re-engineering
- Organize, direct, and coordinate the planning and production of all the client deliveries within a reasonable span of control and assigned project,
- Complete task assignments within estimated time frames and budget constraints
- Meet with client personnel and assigned functional and technical staff
- Formulate deliverable items
- Provide support to services delivered under the contract to ensure to the maximum extent practical that software and related products satisfy the requirements and needs of client organization
- Actively apply quality assurance measures to the performance of the contract.

**Minimum Education:** Bachelor’s degree (or equivalent) in mathematics, computer science, engineering, business, or related field or equivalent work experience

**Minimum Experience:** 3 years
**ST Business Analyst 1**

**Functional Responsibilities:** ST Business Analysts 1 have minimal experience in assisting in the planning, estimating, organizing, staffing, and executing projects. The responsibilities of the ST Business Analyst 1 are as follows:

- Develop system requirements
- Provide functional expertise
- Analyze data, assist with software selection conduct business process re-engineering
- Organize, direct, and coordinate the planning and production of all the client deliveries within a reasonable span of control and assigned project,
- Complete task assignments within estimated time frames and budget constraints,
- Meet with client personnel and assigned functional and technical staff,
- Formulate deliverable items,
- Provide support to services delivered under the contract to ensure to the maximum extent practical that software and related products satisfy the requirements and needs of client organization,
- Actively apply quality assurance measures to the performance of the contract.

**Minimum Education:** Bachelor’s degree (or equivalent) in mathematics, computer science, engineering, business, or related field or equivalent work experience

**Minimum Experience:** 2 years

**ST Technical Analyst 2**

**Functional Responsibilities:** Position Description: ST Technical Analysts 2 must be able to perform analysis, design, development and implementation of substantive application software development or implementation projects

- Develop designs for enhancements to and/or maintenance of applications,
- Analyze user requirements; creates, designs, and develops requirements in specified –media
- Performs applications coding and testing for applications
- Develops technical documentation and training materials
- Create input for client deliveries and assigned tasks
- Complete task assignments within estimated time frames and budget constraints

**Minimum Education:** Bachelor’s degree (or equivalent) in mathematics, computer science, engineering, business, or related field or equivalent work experience

**Minimum Experience:** 2 years
Cloud Project Manager

**Functional Responsibilities:** Must be experienced in planning, estimating, organizing, staffing, and executing projects. Must have total of 4 years of intensive and progressive experience in supervising and managing substantive application software development or implementation projects, including at least one cloud migration, implementation, or support contract. Responsibilities may include:

- Organize and coordinate the planning and production of all the client deliveries within a reasonable span of control and assigned project
- Complete task assignments within estimated time frames and budget constraints
- Schedule and assign duties to team members
- Coordinate and collaborate with client personnel and assigned functional and technical staff
- Formulate deliverable items
- Provide support to services delivered under the contract to ensure to the maximum extent practical that software and related products satisfy the requirements and needs of client organization
- Actively apply quality assurance measures to the performance of the contract

**Minimum Education:** Bachelor’s Degree

**Minimum Experience:** 8 years

Cloud Scrum Master

**Functional Responsibilities:** Must be experienced in planning, estimating, organizing, staffing, and executing projects. Must have total of 2 years of intensive and progressive experience in performing as scrum master on projects, including on at least one cloud migration, implementation, or support contract. Responsibilities may include:

- Coach the team and customer participants in adopting and living by team norms
- Work closely with the product owner to make sure the product backlog is in good shape and ready for the next sprint
- Remove impediments to progress, facilitate meetings, lead Reviews & Retrospectives, manage closure of actions, maintain team metrics
- Assist the team with estimation

**Minimum Education:** Bachelor’s Degree

**Minimum Experience:** 8 years
Cloud Full Stack Developer

Functional Responsibilities: Skills and capabilities should include:

- Experience developing cloud-based applications
- Hands-on experience in web programming with extensive knowledge of multiple programming languages / frameworks
- Hands-on experience in cross-browser compatibility, responsive mobile design, organized code structure, and highly interactive user experiences
- Strong understanding of web service architectures
- Hands-on knowledge of designing and implementing database and reporting solutions

Responsibilities may include:

- Develop and deliver a wide range of cloud-based, web and mobile applications that meet standards for accessibility, security, and quality
- Participate in solution design, sizing, and implementation
- Work with other team members to define technical solutions that meet business requirements using agreed tools, technologies, and team norms
- Follow best coding practices, including carrying out unit testing during the code development
- Provide input in the on-going development of best practices, identification of tools, and system and process improvements

Minimum Education: Bachelor’s Degree
Minimum Experience: 7 years

Cloud Senior Business Analyst

Functional Responsibilities: Skills and capability should include 7 years of experience with software applications and subject matter expertise in specific business applications, technologies, or industries.

Responsibilities may include:

- Gathering requirements for cloud-based solutions, with particular focus on user experience
- Providing functional expertise
- Analyzing data
- Conducting business process re-engineering
- Meeting with client personnel and assigned functional and technical staff
- Formulating deliverable items

Minimum Education: Bachelor’s Degree
Minimum Experience: 7 years
Cloud Application Programming Interface (API) Specialist

Functional Responsibilities: Lead the concept and design for API solutions in a cloud-based environment. Experience and skills should include:

- Demonstrated experience developing API solutions
- Experience with an API management software with the knowledge of API mashups, analytics, developer networks, and API security
- Experience in Service-Oriented Architecture (SOA) design and implementation and system integration using SOA
- Development experience

Responsibilities may include:

- Lead API-centric solution design
- Provide guidance to the development and test teams in terms of API and microservices design
- Provide input and guidance in test design with regard to interfaces
- Present compelling options and recommendations to clients
- Capture and share best practices

Minimum Education: Bachelor’s Degree

Minimum Experience: 4 years

Cloud Security/Authority to Operate (ATO) Specialist

Functional Responsibilities: Knowledge and capabilities should include:

- Comprehensive knowledge of Federal security requirements and regulations related to obtaining and maintaining FedRAMP and FISMA certifications and ATO
- Strong analytical capabilities
- Working knowledge of security scanning tools and coding best practices
- Broad knowledge of cloud, Infrastructure as a Service (IaaS), and Software as a Service (SaaS) infrastructure technologies

Responsibilities may include:

- Proactively integrate security standards and best practices through all stages of development, to achieve compliance with applicable NIST and security regulatory standards and requirements
- Coordinate and collaborate with client Information Systems Security Officer (ISSO), project team, leadership, and other stakeholders to plan, test, document, and obtain ATO for cloud systems and infrastructures
- Design remediations for security issues and Plans of Action & Milestones (POA&Ms) identified by client staff
- Mentor team members on best practices for avoiding security vulnerabilities in developed systems

Minimum Education: Bachelor’s Degree

Minimum Experience: 3 years
Cloud Subject Matter Expert (SME)

Functional Responsibilities: Serves as subject matter expert for a program, possessing in-depth knowledge of cloud implementation and/or operations. Provides technical knowledge and analysis of highly specialized cloud applications and operational environments, high-level functional systems analysis, design, integration, documentation and implementation advice on exceptionally complex problems that need extensive knowledge of the subject matter for effective implementation. Participates as needed in all phases of the project with emphasis on the planning, analysis, testing, integration, documentation, and presentation phases. Applies principles, methods and knowledge of the functional area of capability to specific task order requirements. Skills and capabilities may include:

- Proven experience as a Cloud SME in specialized cloud skill areas such as UI / UX design and user-centered design for cloud-based systems, lead full stack developer, or cloud infrastructure lead
- Proficiency in design software
- Proficiency in web programming with extensive knowledge of multiple programming languages / frameworks for cloud environment delivery
- Proficiency in cross-browser compatibility, responsive mobile design, organized code structure, and highly interactive user experiences
- Strong understanding of and implementation and system integration using web service architectures, Service-Oriented Architecture (SOA)
- Experience designing and implementing cloud architectures on multiple platforms
- Hands-on capability to design and implement database and reporting solutions
- Knowledge of web protocols

Responsibilities may include:

- Conduct user research, interviews, and surveys to understand user wants and needs, and communicate them to developers
- Create personas through user research and data
- Develop products such as sitemaps, customer journey maps, wireframes, and prototypes to obtain rapid user feedback
- Work with UI developers to implement aesthetically pleasing designs
- Develop and deliver a wide range of cloud-based, web and mobile applications that meet standards for accessibility, security, and quality
- Participate in solution design, sizing, and implementation
- Work with other team members to define technical solutions that meet business requirements using agreed tools, technologies, and team norms
- Provide input and guidance in test design with regard to interfaces
- Design and size cloud environments
- Present compelling options and recommendations to clients
- Provide input in the on-going development of best practices, identification of tools, and system and process improvements
- Mentor more junior team members

Minimum Education: Bachelor’s Degree
Minimum Experience: 10 years
**Cloud Database Access Specialist 3**

**Functional Responsibilities:** Assists in planning, estimating, organizing, staffing, and executing projects in a cloud-based database environment. Must have knowledge of project's database environment procedures related to timing differences, table structure differences, data element field definition differences, data compatibility issues, query access tools, multi-site database integrity, version, and change control. Responsibilities may include:

- Under the Project Manager's or Project Leader's direction, develops technical enhancements to and/or maintain systems in the selected database environment,
- Participates in the development and management of application databases,
- Creates conceptual and logical data models, logical and physical database designs, and supports application development and end user database access,
- Provides database performance monitoring and tuning, recovery, reorganization, and maintenance
- Provides data dictionary and end-user training and consults The system development groups
- Performs database technical design, programming, documentation and implementation of applications activities,
- Participates in all phases of database technical programming development with emphasis on the programming, testing, documentation and acceptance phases
- Analyzes programming requirements; creates, designs, and develops requirements in specified-media; provides program support, tests, debugs, and writes documentation as required
- Creates input for client deliveries and assigned tasks,
- Completes task assignments within estimated time frames and budget constraints,
- Meets with client personnel, functional staff and technical staff,
- Actively applies quality assurance measures to the performance of the contract

**Minimum Education:** Bachelor’s Degree

**Minimum Experience:** 5 years of professional experience with a minimum of 5 years’ experience with software development, application implementation, or application integration, either with the vendor, as a consultant or as the employees of a user organization and 5 years of progressive experience in systems analysis and programming with 3 years in development and/or administration of various DBMSs, including the project's cloud-based environment.

**Cloud GT Analyst 5**

**Functional Responsibilities:** Possesses demonstrated knowledge and experience applying analytic methodologies and principles to address client needs related to application migration to cloud, cloud-native application design and implementation, and/or cloud environment design, set-up, and support. Applies analytic techniques in the evaluation of project objectives and contributes to the implementation of project objectives. Performs technical and business analyst functions including information gathering, data modeling, project testing, implementing automation, and creation of performance measurements to support project objectives. Works with minimal supervision and technical guidance. May provide technical guidance to a project team.

**Minimum Education:** Bachelor’s degree (or equivalent) in mathematics, computer science, engineering, business, or related field or equivalent work experience

**Minimum Experience:** 8 years
Cloud GT Analyst 4

**Functional Responsibilities:** Possesses demonstrated knowledge and experience applying analytic methodologies and principles to address client needs related to application migration to cloud, cloud-native application design and implementation, and/or cloud environment design, set-up, and support. Applies analytic techniques in the evaluation of project objectives and contributes to the implementation of project objectives. Performs technical and business analyst functions including information gathering, data modeling, project testing, implementing automation, and creation of performance measurements to support project objectives. Works with minimal supervision and technical guidance. May provide technical guidance to a project team.

**Minimum Education:** Bachelor’s degree (or equivalent) in mathematics, computer science, engineering, business, or related field or equivalent work experience

**Minimum Experience:** 6 years

Cloud GT Analyst 3

**Functional Responsibilities:** Possesses demonstrated knowledge and experience applying analytic methodologies and principles to address client needs related to application migration to cloud, cloud-native application design and implementation, and/or cloud environment design, set-up, and support. Applies analytic techniques in the evaluation of project objectives and contributes to the implementation of project objectives. Performs technical and business analyst functions including information gathering, data modeling, project testing, implementing automation, and creation of performance measurements to support project objectives. Conducts activities in support of project team’s objectives. Need minimal supervision to complete tasks.

**Minimum Education:** Bachelor’s degree (or equivalent) in mathematics, computer science, engineering, business, or related field or equivalent work experience

**Minimum Experience:** 4 years

Cloud GT Analyst 2

**Functional Responsibilities:** Possesses demonstrated knowledge and experience applying analytic methodologies and principles to address client, cloud-based needs. Applies analytic techniques in the evaluation of project objectives and contributes to the implementation of strategic direction. Performs analyst functions including information gathering, data modeling, project testing, and creation of performance measurements to support project objectives. Conducts activities in support of project team’s objectives. Directs the activities of junior staff as necessary.

**Minimum Education:** Bachelor’s degree (or equivalent) in mathematics, computer science, engineering, business, or related field or equivalent work experience

**Minimum Experience:** 2 years

**SUBSTITUTION**

AS/AA = two (2) years of experience (in addition to minimum years of experience requirements stated above),
BS/BA = four (4) years of experience (in addition to minimum years of experience requirements stated above),
MS/MA = six (6) years of experience (in addition to minimum years of experience requirements stated above)
# GSA Pricelist

<table>
<thead>
<tr>
<th>SIN</th>
<th>Labor Category</th>
<th>GSA Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>54151S</td>
<td>ERP Project Leader 3</td>
<td>$187.35</td>
</tr>
<tr>
<td>54151S</td>
<td>ERP Systems Analyst 3</td>
<td>$168.64</td>
</tr>
<tr>
<td>54151S</td>
<td>ERP Database Access Specialist 2</td>
<td>$145.86</td>
</tr>
<tr>
<td>54151S</td>
<td>ERP Business Analyst 4</td>
<td>$175.46</td>
</tr>
<tr>
<td>54151S</td>
<td>ERP Programmer/Analyst 4</td>
<td>$129.91</td>
</tr>
<tr>
<td>54151S</td>
<td>ERP Programmer/Analyst 2</td>
<td>$104.81</td>
</tr>
<tr>
<td>54151S</td>
<td>ERP Technical Analyst 4</td>
<td>$121.42</td>
</tr>
<tr>
<td>54151S</td>
<td>GT Consultant 5</td>
<td>$159.04</td>
</tr>
<tr>
<td>54151S</td>
<td>GT Consultant 4</td>
<td>$130.39</td>
</tr>
<tr>
<td>54151S</td>
<td>GT Consultant 3</td>
<td>$75.15</td>
</tr>
<tr>
<td>54151S</td>
<td>GT Consultant 2</td>
<td>$43.98</td>
</tr>
<tr>
<td>54151S</td>
<td>GT Consultant 1</td>
<td>$30.47</td>
</tr>
<tr>
<td>54151S</td>
<td>GT Analyst 5</td>
<td>$113.34</td>
</tr>
<tr>
<td>54151S</td>
<td>GT Analyst 4</td>
<td>$98.28</td>
</tr>
<tr>
<td>54151S</td>
<td>GT Analyst 3</td>
<td>$78.19</td>
</tr>
<tr>
<td>54151S</td>
<td>GT Analyst 2</td>
<td>$48.94</td>
</tr>
<tr>
<td>54151S</td>
<td>GT Software Engineer 3</td>
<td>$115.32</td>
</tr>
<tr>
<td>54151S</td>
<td>GT Subject Matter Expert</td>
<td>$205.24</td>
</tr>
<tr>
<td>54151S</td>
<td>ST Systems Analyst 5</td>
<td>$161.41</td>
</tr>
<tr>
<td>54151S</td>
<td>ST Systems Analyst 4</td>
<td>$153.07</td>
</tr>
<tr>
<td>54151S</td>
<td>ST Systems Analyst 1</td>
<td>$113.66</td>
</tr>
<tr>
<td>54151S</td>
<td>ST Database Access Specialist 4</td>
<td>$139.38</td>
</tr>
<tr>
<td>54151S</td>
<td>ST Database Access Specialist 3</td>
<td>$120.89</td>
</tr>
<tr>
<td>54151S</td>
<td>ST Project Leader 3</td>
<td>$160.96</td>
</tr>
<tr>
<td>54151S</td>
<td>ST Business Analyst 2</td>
<td>$104.57</td>
</tr>
<tr>
<td>54151S</td>
<td>ST Business Analyst 1</td>
<td>$92.85</td>
</tr>
<tr>
<td>54151S</td>
<td>ST Technical Analyst 2</td>
<td>$83.07</td>
</tr>
<tr>
<td>518210C</td>
<td>Cloud Project Manager</td>
<td>$188.66</td>
</tr>
<tr>
<td>518210C</td>
<td>Cloud Scrum Master</td>
<td>$171.34</td>
</tr>
<tr>
<td>SIN</td>
<td>Labor Category</td>
<td>GSA Price</td>
</tr>
<tr>
<td>--------</td>
<td>-----------------------------------------------------------</td>
<td>-----------</td>
</tr>
<tr>
<td>518210C</td>
<td>Cloud Full Stack Developer</td>
<td>$140.95</td>
</tr>
<tr>
<td>518210C</td>
<td>Cloud Sr Business Analyst</td>
<td>$166.63</td>
</tr>
<tr>
<td>518210C</td>
<td>Cloud Application Programming Interface (API) Specialist</td>
<td>$148.81</td>
</tr>
<tr>
<td>518210C</td>
<td>Cloud Security / Authority to Operate (ATO) Specialist</td>
<td>$132.95</td>
</tr>
<tr>
<td>518210C</td>
<td>Cloud Subject Matter Expert (SME)</td>
<td>$205.24</td>
</tr>
<tr>
<td>518210C</td>
<td>Cloud Database Access Specialist 3</td>
<td>$120.89</td>
</tr>
<tr>
<td>518210C</td>
<td>Cloud GT Analyst 5</td>
<td>$113.34</td>
</tr>
<tr>
<td>518210C</td>
<td>Cloud GT Analyst 4</td>
<td>$98.28</td>
</tr>
<tr>
<td>518210C</td>
<td>Cloud GT Analyst 3</td>
<td>$78.19</td>
</tr>
<tr>
<td>518210C</td>
<td>Cloud GT Analyst 2</td>
<td>$48.94</td>
</tr>
</tbody>
</table>