

LinguaLISTek GSA IT Schedule 70
Contract #GS-35F-0109T
Labor Category Descriptions

1) Lingual Information System Technologies Job Title: Principal Software Engineer

Minimum/General Experience: Fifteen years SA/programming experience, 10+ years IBM MVS or IBM plug compatible mainframe or client/server PC-based environment. Ten years independent analysis/ programming experience, responsibility for tasks involving analysis, programming, & implementation. 10+ years experience in specialized arena.

Functional Responsibility: Supports extremely complex and multiple database systems. Develops technical specifications to meet system functions and user requirements; design technical structures, code, document, optimize system; develop plans, analyze problems & define future requirements; perform development testing, conversion, implementation, tuning & capacity planning.

Minimum Education: A Bachelor's degree from accredited institution in a technical discipline. Four years directly related experience may be substituted in lieu of a degree.

2) Lingual Information System Technologies Job Title: Senior Software Engineer III

Minimum/General Experience: Eleven years general experience and eight years of specialized experience on projects similar to clients' in size and technical complexity.

Functional Responsibility: Analyze, design, develop, test and debug routine software systems under close supervision. Activities range from integrating OS architecture and designing software to proposing systems, languages and/or equipment.

Minimum Education: A Bachelor's degree in Computer Science, Information Systems, Engineering, or other related scientific or technical discipline. Four years directly related experience may be substituted in lieu of a degree.

3) Lingual Information System Technologies Job Title: Senior Software Engineer II

Minimum/General Experience: Ten years general experience and five years of specialized experience on projects similar to clients' in size and technical complexity.

Functional Responsibility: Analyze, design, develop, test and debug routine software systems under close supervision. Activities range from integrating OS architecture and designing software to proposing systems, languages and/or equipment.

Minimum Education: A Bachelor's degree in Computer Science, Information Systems, Engineering, or other related scientific or technical discipline. Four years directly related experience may be substituted in lieu of a degree.

4) Lingual Information System Technologies Job Title: Senior Software Engineer I

Minimum/General Experience: Five years general experience and three years of specialized experience on projects similar to clients' in size and technical complexity.

Functional Responsibility: Analyze, design, develop, test and debug routine software systems under close supervision. Activities range from integrating OS architecture and designing software to proposing systems, languages and/or equipment. Provides basic to intermediate software engineering support to the TB TDP program. Participates in multidisciplinary research and collaborates with equipment designers and/or hardware engineers in the planning, design, development, and utilization of electronic data processing systems software. Determines computer user needs; makes recommendations to hardware designers on machine characteristics that affect software systems such as storage capacity, processing speed, and input/output requirements. With supervision, designs and develops compilers and assemblers, utility programs, and operating systems such as executive programs. Collaborates with equipment designers and/or hardware engineers in the design, development, and utilization of electronic data processing systems software.

Minimum Education: A Bachelor's degree from accredited institution in a technical discipline. Four years directly related experience may be substituted in lieu of a degree.

5) **Lingual Information System Technologies Job Title: Senior Software Test Engineer II**

Minimum/General Experience: Eight years general experience as a programmer/software test engineer. Eight years experience in the computer science field using 81-3, MIL-STD-498, or the latest IEEE standards in software documentation. Five years of specialized experience on projects similar to clients' in size and technical complexity. Five years experience in managing software project or personnel. Experience in software integration and testing of distributed systems. Practical experience with C/C++ and UNIX, GUI's object oriented development, network protocols, and real-time systems. Practical experience in documentation and editing program level documentation.

Functional Responsibility: Manage and monitor test efforts at various levels. Analyze requirements and design and develop appropriate test plans/procedures for systems/software under test. Conduct testing of systems at various levels to include unit, integration, Development Test and Evaluation, and Operation Acceptance. Identify deficiencies and generate appropriate system/software discrepancy reports, system/software change records, and engineering change proposals. Provide appropriate metrics data in support of efforts.

Minimum Education: A Bachelor's degree in Information Systems or other related scientific or technical discipline. Four years directly related experience may be substituted in lieu of a degree.

6) **Lingual Information System Technologies Job Title: Senior Software Test Engineer I**

Minimum/General Experience: Six years general experience as a programmer/software test engineer. Four years experience in the computer science field using 81-3, MIL-STD-498, or the latest IEEE standards in software documentation. Three years of specialized experience on projects similar to clients' in size and technical complexity. Three years experience in managing software project or personnel. Experience in software integration and testing of distributed systems. Practical experience with C/C++ and UNIX, GUI's object oriented development, network protocols, and real-time systems. Practical experience in documentation and editing program level documentation.

Functional Responsibility: Analyze requirements and design and develop appropriate test plans/procedures for systems/software under test. Conduct testing of systems at various levels to include unit, integration, Development Test and Evaluation, and Operation Acceptance. Identify deficiencies and generate appropriate system/software discrepancy reports, system/software change records, and engineering change proposals. Provide appropriate metrics data in support of efforts.

Minimum Education: A Bachelor's degree in Information Systems or other related scientific or technical discipline. Four years directly related experience may be substituted in lieu of a degree.

7) Lingual Information System Technologies Job Title: Web Software Design Engineer II

Minimum/General Experience: Three years experience as a web designer with solid understanding of web structure, applications, security issues, design, and understanding of interfacing web structures with common database and application server technologies. Hands on knowledge of HTML, DHTML, and advanced HTML features including SSI, CGI, Java scripts, and PERL.

Functional Responsibility: Design and development of standardized project web pages, design and development of processes to create web friendly information/interfaces. Works with graphics designers to develop the site concept. Development of scripts and/or short programs related to web design to automate manual tasks. Design and implementation of secure web pages for possible use in surveys, software delivery, prototype tools access, or data/database access. Design a website to support the organization's strategies and goals relative to external communications. Integrate web applications with backend databases.

Minimum Education: A Bachelors degree in Computer Science or the equivalent in Engineering or Information Systems. Four years directly related experience may be substituted in lieu of a degree.

8) Lingual Information System Technologies Job Title: Senior Network Engineer III

Minimum/General Experience: Ten years experience of which Seven years must be specialized, and includes protocol analysis,

knowledge of OSI protocols particularly TCP/IP, X25, X400, X500, etc. Experience with ATM, frame relay, other knowledge with bridges, routers, gateways, FDDI, detailed knowledge of UNIX/Windows operating systems. Experience as a CNE or ECNE desirable. Specialized experience also includes: supervising the operation and maintenance of communication network systems which may be mainframe, mini, or client/server bases.

Functional Responsibility: Evaluates communication hardware and software, troubleshoots LAN/MAN/WAN and other network related problems, provides technical expertise for performance and configuration of networks. Performs general LAN/MAN/WAN administration, provides technical leadership in the integration and test of complex large-scale computer integrated networks.

Minimum Education: A Bachelor's degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline. Certifications and a minimum of four years of directly experience in related systems administration areas may be used in lieu of a degree.

9) Lingual Information System Technologies Job Title: Senior Network Engineer II

Minimum/General Experience: Seven years experience of which five years must be specialized, and includes protocol analysis, knowledge of OSI protocols particularly TCP/IP, X25, X400, X500, etc. Experience with ATM, frame relay, other knowledge with bridges, routers, gateways, FDDI, detailed knowledge of UNIX/Windows operating systems. Experience as a CNE or ECNE desirable. Specialized experience also includes: supervising the operation and maintenance of communication network systems which may be mainframe, mini, or client/server bases.

Functional Responsibility: Evaluates communication hardware and software, troubleshoots LAN/MAN/WAN and other network related problems, provides technical expertise for performance and configuration of networks. Performs general LAN/MAN/WAN administration, provides technical leadership in the integration and test of complex large-scale computer integrated networks.

Minimum Education: A Bachelor's degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline. Certifications and a minimum of four years of directly experience in related systems administration areas may be used in lieu of a degree.

10) **Lingual Information System Technologies Job Title: Systems Administrator III**

Minimum/General Experience: Eight years, of which at least five years must be specialized. Specialized experience in administrating UNIX, NT, or open systems-compliant systems. General experience includes operations experience on a large-scale computer system or a multi-sever local area network.

Functional Responsibility: Support the daily activities of configuration and operation of business systems which may be mainframe, mini, or client/server bases. Optimizes system operation and resource utilization, and performs system capacity analysis and planning. Provides assistance to users in accessing and using business systems. Qualifications: Provides system administration support services to TB TDP program. Requires working knowledge of UNIX or MS WINDOWS operating systems. Responsible for system setup, installation, maintenance and support. Develops support documentation. Professional certification desirable.

Minimum Education: A Bachelor's degree in a technical discipline. Four years directly related experience may be substituted in lieu of a degree.

11) **Lingual Information System Technologies Job Title: Senior Configuration Manager I**

Minimum/General Experience: Seven years experience, of which at least five years must be specialized. Specialized experience includes Configuration Management, verification and validation, software testing and integration, software metrics and their application to software quality assessment. General experience includes increasing responsibilities in quality assurance, quality control, and team leader responsibilities.

Functional Responsibility: Establishes and maintains a process for evaluating software and associated documentation. Determines the resources required for quality control. Maintains the level of quality throughout the software life cycle. Conducts formal and informal reviews at pre-determined points throughout the development life cycle. Provides daily supervision and direction to support staff.

Minimum Education: A Bachelor's degree in Information Systems or other related scientific or technical discipline. Four years directly related experience may be substituted in lieu of a

degree.

12) Lingual Information System Technologies Job Title: Help Desk Analyst II

Minimum/General Experience: Five years experience, three years must be specialized, including knowledge of PC operating systems and networking. Experience in informations systems development.

Functional Responsibility: Develop and maintain SOPs for help desk support. Receive/record all trouble ticket calls into Remedy Help Desk database. Install and configure desktop software remotely. Follow procedures for problem escalation/prioritization. Establish and manage user accounts.

Minimum Education: A Bachelor's degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline. Four years directly related experience may be substituted in lieu of a degree.

13) Lingual Information System Technologies Job Title: Senior Quality Assurance Manager III

Minimum/General Experience: Fifteen years experience, of which at least seven years must be specialized. Specialized experience includes: analysis and design of business applications on systems for mainframe or client/server computers, data base management, use of the programming languages such as Ada, COBOL, 4GL, and/or DBMS. Knowledge of current storage and retrieval methods and demonstrated ability to formulate specifications for computer programmers to use in coding, testing, and debugging of computer programs. General experience includes increasing responsibilities in assignments of a technical nature. Proven understanding and application of government documentation standards. Proven ability to work independently or under only general direction on application problems involving all phases of systems analysis is required. Solid understanding of quality assurance methods and techniques to include reviews of the following: concept of operations documentation, requirements, project plans, cost and schedule analysis, source code, test plans/procedures, configuration management, installation plans/procedures, and training requirements.

Functional Responsibility: Provides technical and administrative direction for personnel performing software development tasks, including the review of work products for correctness, adherence

to the design concept and to user standards, review of program documentation to assure government standard requirements are adhered to, and for progress in accordance with schedules. Coordinates with the Program Manager to ensure problem solution and user satisfaction. Makes recommendations, if needed, for approval of major systems installations. Prepares milestone status reports and deliveries/presentations on the system concept to colleagues, subordinates, and end user representatives.

Minimum Education: A Bachelor's degree in Information Systems or other related scientific or technical discipline. Directly related experience may be substituted for a degree using one year related experience for one year university education. With a Master's Degree, five years of general experience of which at least two years must be specialized experience is required. With ten years of general experience of which at least seven years must be specialized experience, a degree is not required.

14) Lingual Information System Technologies Job Title: Technical Writer IV

Minimum/General Experience: Ten years general experience with seven years specialized experience with documentation.

Functional Responsibility: Collects and organizes information for broad range of technical publications; develops contents outline/specification and writes text; coordinates layout/organization of documents; researches technical data (drawings, design reports, test specifications); collaborates with project personnel to clarify contents. Writes, edits, and prepares graphic presentations and online help texts. Provides senior level technical writing and documentation support services to the TB TDP program. Deliverables in hardcopy and online. Lead documentation of system level operational capabilities, technical specifications, and drawings IAW established specifications and standards. Designs and develops templates. Interacts with customer and lead engineers to tailor specifications and standards to support program requirements. Works with system and software engineers and trainers to develop documentation. Conduct Verification & Validation.

Minimum Education: A Bachelor's degree. Four years directly related experience may be substituted in lieu of a degree.

15) Lingual Information System Technologies Job Title: Documentation Specialist II

Minimum/General Experience: Three years experience, with two years specialized to include preparing technical documentation, researching applicable Government documentation standards.

Functional Responsibility: Provide design, documentation, and implementation assistance on problems which require in-depth state-of-the-art knowledge of a specialized documentation discipline for effective implementation. Provide software documentation for ADP systems following DoD regulations, and new releases of technical material. Participate in all phases of task performance with emphasis on the planning, analysis, testing, documentation and acceptance phases. Will be capable of developing user help and tutorial material on system functions. May develop material content of web pages, with ability to apply fundamental HTML skills in assisting in web page implementation. Capable of serving as a primary focal point in coordinating with the customer for definition of documentation requirements. Conducts research and ensures the use of proper technical terminology. Translates technical information into clear, readable documents to be used by both technical and non-technical personnel.

Minimum Education: A Bachelor's degree from accredited institution in a technical discipline. Four years directly related experience may be substituted in lieu of a degree.

Table 1 - Lingual Information System Technologies
Contract #GS-35F-0109T
Labor Category Titles and Rates

	LABOR CATEGORY	ONSITE (GSA Price)
1	Principal Software Engineer	\$173.60
2	Senior Software Engineer III	\$125.12
3	Senior Software Engineer II	\$123.16
4	Senior Software Engineer I	\$118.80
5	Senior Software Test Engineer II	\$104.19
6	Senior Software Test Engineer I	\$87.36
7	Web Software Design Engineer II	\$76.75
8	Senior Network Engineer III	\$95.33
9	Senior Network Engineer II	\$82.43
10	Systems Administrator III	\$88.13
11	Senior Configuration Manager I	\$64.93
12	Help Desk Analyst II	\$65.95
13	Senior Quality Assurance Manager III	\$127.87
14	Technical Writer IV	\$61.18
15	Documentation Specialist II	\$55.55