

SOFTWARE DEVELOPER SUPERVISOR**DEFINITION**

Under direction of the Chief Technology Officer, plan, coordinate, and supervise the software development, analysis, operations, and technical functions of the District enterprise business and academic software systems; fully monitor, deploy, maintain, and ensure that enterprise application systems are performing at their maximum efficiency through the proper use and implementation of software development and relation database management systems; supervise the development and implementation of goals, objectives, policies, and priorities for enterprise software development; evaluate District needs and apply technical principles and concepts to develop and support solutions; recommend and administer policies and procedures to include researching software development system solutions and recommending more comprehensive and newly developed technologies for future consideration and implementation; manage the enterprise applications team to maintain and improve District efficiencies through software development and systems; and do related work as required.

ESSENTIAL DUTIES AND RESONSIBILITIES:

- Plan, direct, coordinate, and review the work plan for assigned staff; assign work activities, projects, and programs; review and evaluate software code, methods, and procedures; meet with staff to identify and resolve problems.
- Review work schedules and project progress, check software code, methods, and procedures of software, prepare system and data flow diagrams; translate problem statements into programming definitions and direct adjustments as necessary.
- Coordinate systems and their functional requirements based on District requirements.
- Review, evaluate and install software development tools and systems.
- Resolve software problems through on-site analysis and effective utilization of technical staff, coordination with other information technology staff, and use of vendor contracts.
- Investigate potential new applications of information systems in the District.
- Constantly monitor system security, stability and performance to ensure adequate performance.
- Supervise and evaluate assigned staff.
- Prepare time and cost estimates for new and existing projects and monitor expenses of projects to ensure the completion is within budget specifications, including preparing reports.
- Evaluate, monitor and coordinate all reported software bugs or issues.
- Review procedures and document system components and functions.
- Implement new and revised systems by providing training to users and staff; create and transition efficient operational procedures, including effective hardware utilization and adequate backup processes; make recommendations on technical modifications to the end user hardware and software work environment.
- Receive and analyze requests for report modifications or new reports; coordinate or perform detailed analysis for all code change.
- Contact vendors for solutions, technical reference, and/or services required for systems expansion and maintenance.
- Keep up-to-date on technologies, and methodologies, and attend training classes as necessary.
- Conduct meetings with users and departments and transform requirements into effective implementations.
- Perform related duties similar to the above in scope and impact as required.

QUALIFICATIONS

Knowledge of

Principles, practices, methods and techniques of software development and relational database management systems; corrective action strategies to resolve complex programming requirements and code; principles of project management; methods and techniques used to test and implement software; principles and practices of programming languages and operating systems; statistical methods and cutting-edge technologies; methods and techniques of evaluating business requirements and developing information systems solutions; concepts and principles of web application design, development, and implementation; Microsoft solutions to address district problems; principles and practices of program design and administration; methods and techniques of developing software training and support manuals and documentation; and principles of effective personnel management and supervision.

Ability to

Manage, develop, plan, organize and supervise enterprise applications team including SVUSD's business and academic software applications and platforms; and workflow, reporting, and enterprise architecture design; install, update and configure software development systems and tools; document and approve software development and database programming code and procedures; analyze and take corrective action to ensure system design functionality, security, availability and performance; have thorough knowledge of software development and relational database management systems.

Experience

Five years of progressive software development and database design experience with responsibility for developing and maintaining software code, documentation, and ensuring maximum system security, availability and performance as well as supervisory duties; knowledge to seek and research all applicable software development and database design solutions; experience and knowledge of, Windows server and database technology, software development tools and software development and relational database management system best practices.

Education

Graduation from an accredited university with a bachelor's degree, with specialization in computer science, business administration, or related field, an advanced degree being preferred; a demonstrated experience in software development, database design and system monitoring responsibilities.

Physical Performance Requirements

Considerable standing, walking, or sitting much of the time with some bending, stooping, squatting and twisting. Lifting often involved. Weight of materials will vary, with employees regularly lifting and maneuvering 20 to 30 pounds.

Licenses

Possession of valid and appropriate California Driver's License.