

SOFTWARE DEVELOPER

DEFINITION

Under direction, develop software code, implement, maintain, debug, upgrade, and monitor new and existing software applications for instructional and administrative use; integrate various District systems such as student information systems, financial and personnel systems, and do related work as required.

EXAMPLES OF DUTIES

Analyze, design and develop software code to program complex computer software applications; conducts meetings with users and transforms requirements into effective applications; establish, create, review and evaluate detailed programming and database documentation; verify stability, interoperability, portability, security and scalability of application architecture; monitor and maintain applications performance and security; manage user account security; evaluate third party software development tools and products; install and update applications; review and recommend software development procedures and best practices; analyze new, current and proposed application system development, enhancements and modifications; generate documentation for staff and end user training, develop flow charts, diagrams and debugs difficult computer programming problems; and perform related work as required.

QUALIFICATIONS

Knowledge of

Principles and practices of software development and database design, data systems management and modern programming frameworks such as Microsoft Dot Net, IIS, Structured Query Language (SQL) programming, stored procedures, VB, MVC, XML, Java Script, ASP, and C#, Team Foundation Server; Windows Server operating systems, correct English usage, spelling, grammar and punctuation; complex mathematics.

Ability to

Develop software code, design and maintain normalized data structures, and prepare program and system documentation; analyze data and software requirements, design web applications for users on multiple mobile and computing platforms; analyze software requirements and draw sound conclusions; develop concise, clear and comprehensive project plans; maintain flexible hours; perform necessary software maintenance, testing, debugging and upgrades; prepare clear, complete and concise reports; work independently; maintain and establish cooperative working relationships.

Experience

Five years experience which has provided the applicant with the knowledge and abilities listed above.

Education

Graduation from a four-year accredited college with supplemental course work in Technology, such as software development or data and system integration.

Physical Performance Requirements

Frequent sitting, standing or walking much of the time with some bending, stooping, squatting and twisting. Lifting of office supplies and other work related materials occasionally involved. Weight of materials will vary, but generally be of less than twenty pounds.

Licenses

Possession of a valid and appropriate California Driver's License, if required.