

SAN JOSE UNIFIED SCHOOL DISTRICT

I. Title Technology Services Database Software Engineer II

II. Definition

Under technical supervision, as a Database Software Engineer II, performs high level technical tasks utilizing large scale relational database systems.

III. Examples of Duties

Utilizes data base access tools, programming languages and system scripting to provide technical database support for large scale district systems.

Does technical troubleshooting with relational database systems;

Designs and performs processes for database updates, data error resolution, and loading of SQL tables;

Creates complex SQL database structures combining multiple tables in a single view

Works with technical staff from software vendors to resolve application software problems;

Assists software vendors with designs for system enhancements;

Researches and recommends system enhancements and modifications needed to meet the district's needs;

Serves as the primary technical software support contact.

Monitors system usage and security, makes recommendations for improving utilization;

Contacts and coordinates efforts of outside support vendors for needed repairs or upgrades. Takes corrective action to implement solutions. Loads and coordinates testing of all new application software releases on centralized servers. Is capable of performing backup and restore procedures and helps define system operational procedures. Will install and maintain application software and work cooperatively with network technical staff who maintain the server operating system software.

IV. Distinguishing Characteristics

Persons in this position are capable of high level database programming tasks and system design. They are able to work cooperatively with other department staff to provide technical assistance and support for database systems and the applications used to access them.

They have the ability to set up and maintain the system configurations needed to support the applications systems and user access on relational database systems. They are effective in dealing with outside support resources that are needed to assist in software implementation and technical support issues. They have a strong customer service focus and a sense of urgency to meet their needs.

They have a strong commitment to data security and confidentiality.

V. Employment Standards

A. Knowledge and experience with:

The principles and techniques of programming and systems analysis in a medium/large scale online, multi-user system. Experience creating applications using a variety of interfaces including GUI, Web, terminal and client server systems.

SQL Database systems and Client / Server based applications systems.

Industry standard SQL Database systems such as Oracle, Informix, Sybase, SQL Server and others.

B. Ability to:

Perform System programming tasks on the district wide business and student applications systems.

Install new software releases;

Ability to interface relational database tables with outside resources for data import and export tasks.

C. Education/Training/Experience:

Graduation from a four-year college, preferably with a major in information systems or business administration. Prior system and application development experience in a large scale online system may be substituted for the education requirement on a 2 for 1 basis.

Training and experience in SQL relational database tasks in an online interactive environment.

D. Licenses/Certificates:

Valid California Drivers License.

Date: January 18, 2007

Range: 42a Annual Salary - (\$78,681.55 - \$95,637.91)

Position Code: _____

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