

**KERN COUNTY SUPERINTENDENT OF SCHOOLS**  
**REVISED/APPROVED NOVEMBER 2006**  
**RANGE: 57.5**  
**TECHNICAL SPECIALIST SERVICES SERIES**  
**CLASSIFIED – OVERTIME EXEMPT**  
**CODE: 6,8**

### **DATABASE SPECIALIST III**

#### **DEFINITION**

Under general supervision, provides database development and database support to Kern County Superintendent of Schools office employees and school district employees.

Conducts database needs assessments, modifies existing databases and/or provides path of migration for development of integrated relational database systems.

The Database Specialist will also make minor modifications to existing database systems in support of report generation for users.

The Database Specialist provides technical assistance and training to end users on new systems;

provides trouble-shooting diagnostics, and provides user support in person or via telephone and electronic messaging.

#### **EXAMPLES OF DUTIES**

The Database Specialist III may be responsible for any or all of the following activities;

database system analysis and design, database development and programming to support user reporting and information resource storage;

maintain compliance with office database development standards and support graphical user interface design for users;

trouble-shoots database system problems;

installs new or replacement database systems and maintains system integrity;

under direction maintains network system standards in database development that optimize system integration and functionality;

verifies correct system operation;

provides review and consultation on database software to determine the advisability and functionality of its use by internal departments and client districts;

conducts inservice programs and classes for management and clerical personnel on database applications;

diagnoses database malfunctions to separate operator, hardware, and software problems;

offers individual and group on-site help;

assists in maintaining and/or correcting existing database and dataset software applications;

evaluates existing database applications and modifies them as assigned;

tests new versions of database and net-aware databases for functionality and applicability to current users;

works cooperatively with user support specialists, help desk operators, and network engineers;

attends training sessions to learn new operating systems;

performs other general database support duties as assigned.

## **QUALIFICATIONS**

### Knowledge of:

Thorough knowledge of database applications such as: MySQL, Postgre SQL or Microsoft SQL desirable;

thorough knowledge of programming languages used to script database applications such as PERL, PHP, VB2005, C# or Ruby and working knowledge of development frameworks such as .NET or Ruby on Rails;

working knowledge of web technology such as HTML, CSS, encryption techniques for IIS or Apache configuration and security a plus and desirable.

### Ability to:

Ability to develop and deploy database applications in object oriented environment and deploy console, Windows, web services and web sites;

utilize version control systems such as Microsoft Team Server or Subversion;

generate documentation within a code base for development support and external documentation for user consumption;

complete tasks as assigned within parameters of project specifications and timelines and work as a member of a team to deliver high quality projects on time.

### Experience:

Minimum of five years experience working with microcomputer relational database systems in an applied setting which may include any or all of the following experiences-software application development and customizing;

database application development and database modeling (Object role modeling);

Open Script and DLL based scripts for Windows applications;

any combination of the above experiences is acceptable with demonstrated proficiency in major Microsoft Applications and with at least 3 years experience in programming in C languages, Open Script Language;

Visual Basic language, or experienced in Microsoft Jet engine and Object role modeling;

minimum of two years experience in computer software applications training in multi-user operating systems environments.

minimum of one year experience working in local-area network environments, such as Novell 4.x,3.x, Microsoft Windows NT, or OS/2 on ethernet 10BaseT topology desirable.

Education:

Graduate of a four-year college or university with a Bachelor's degree in computer science or related field;

OR

Work experience in a comparable position can be substituted on a year-to-year basis in place of post high school education requirement.

Some positions may require proof of privately owned automobile insurance and possess a valid California Motor Vehicle operator's license.

**Fingerprint clearance by both the Federal Bureau of Investigation and the California Department of Justice is a condition of appointment after all other required job conditions have been met.**

This position is overtime exempt and has a probationary period of one year.

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