DATABASE SPECIALIST III

DEFINITION
Under general supervision, provide database development and database support to Kern County Superintendent of Schools office employees and school district employees;

conduct database needs assessments, modify existing databases and/or provide path of migration for development of integrated relational database systems.

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

The Database Specialist III will provide technical assistance and training to end users on new systems;

provide trouble-shooting diagnostics, and provide 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-shoot database system problems;

install new or replacement database systems and maintain system integrity;

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

verify correct system operation;

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

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

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

offer individual and group on-site help;

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

evaluate existing database applications and modify them as assigned;

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

work cooperatively with network engineers and staff;

attend training sessions to learn new systems proposed for use;

perform other general database support duties as assigned.

QUALIFICATIONS
Knowledge of:
Thorough knowledge of database applications such as: MySQL, Advantage DB or Microsoft SQL, Microsoft SSIS/SSRS/Business Intelligence desirable;

thorough knowledge of programming languages used to script database applications such as, PHP, VB2005, 2008, P2012, C# working knowledge of development frameworks such as .NET;

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

working knowledge of TSF, SharePoint and Azure Team Services;

thorough knowledge of EDI and 834 file transfers as well as companion guide development and implementation.

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

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;

production support of SQL database.

Experience:
Minimum of five (5) years of 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);

any combination of the above experiences is acceptable with demonstrated proficiency in major Microsoft Applications and with at least three (3) years of 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 (2) years of experience in computer software applications training in multi-user operating systems environments;

minimum of one (1) year of experience working in server environments, such as Microsoft Windows 2003, 2008, 2012;

minimum of one year experience working in Database administrative role, MS SQL desired.

Education:
Graduate from 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.

Conditions of employment:
Some positions may require proof of privately owned automobile insurance and possession of a valid California Motor Vehicle operator's license which must be maintained for the duration of the assignment.

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.

Must present verification of completion of Child Abuse Mandated Reporter training or obtain verification within six (6) weeks of hire and annually thereafter, as required by the California Child Abuse and Neglect Reporting Act.

This position is overtime exempt and has a probationary period of six months.

RT: rn
7/20/2020
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