Database Analyst III (Web-Based)

Position Details

Class Code: 1518
Job Family: Information Systems
Classification: Support Professional
Terms of Employment: Pay Grade 62 on the Support Professional Salary Schedule
FLSA STATUS: NON-EXEMPT

Position Summary

Under general direction, coordinates, designs, develops, and implements interactive web-based relational database systems. Creates, programs, and maintains web-based databases by managing/implementing standards, procedures, revision lists, security, and documentation.

Essential Duties and Responsibilities

The list of Essential Duties and Responsibilities is not exhaustive and may be supplemented.

1. Confers with project manager(s) and programmer(s) to define functional requirements, model data, resolve errors, implement final products, and ensure integrated systems meet development standards.
2. Plans, prepares, defines, structures, develops, and programs web-based database systems.
3. Works with department staff to define and implement interfaces; ensures that browsers and other clients interact properly with required database systems.
4. Works with department staff to design relational database systems benefitting all users.
5. Modifies relational database systems as data needs change.
6. Resolves systems design conflicts between the department and internal/external users.

7. Designs and implements relational database security/recovery procedures.
8. Reduces/eliminates data redundancy and improves relational database performance via normalization.
9. Writes requirements, specifications, data dictionaries, self-documenting code, etc., according to documentation standards.
10. Presents system functionalities to staff; oversees system implementation.
11. Tests and evaluates system performance; recommends corrective action if system performance is deficient.
12. Conforms to safety standards, as prescribed.
13. Performs other tasks related to the position, as assigned.

Distinguishing Characteristics

Involves in-depth knowledge of database development, management, and implementation, requiring strong technical skills/experience in web-based relational database systems design and programming techniques.

Knowledge, Skills, and Abilities (Position Expectations)

1. Ability to write software with programming languages.
2. Knowledge of database query languages.
3. Knowledge of web-based client/server development environments.
4. Ability to tune and normalize databases.
5. Ability to design effective databases, database schema, and data dictionaries.
6. Ability to translate functional needs into clear problem definitions and solutions.
7. Ability to write clear, concise, accurate reports, documentation, user instructions, correspondence, etc.
8. Ability to contribute to the department's service efficiency/effectiveness by offering suggestions and actively directing or participating in team efforts.
9. Ability to keep current with technology and applications.
10. Ability to coordinate multiple projects and meet predetermined deadlines.
11. Ability to work flexible hours/shifts.
12. Ability to develop and maintain effective working relationships with Clark County School District staff, vendors, and other agencies.
13. Ability to recognize/report hazards and apply safe work methods, management principles, and practices.

14. Possess physical and mental stamina commensurate with the responsibilities of the position.

Position Requirements

Education, Training, and Experience
1. High school graduation or other equivalent (i.e., General Education Development (GED), foreign equivalency, etc.)
2. Seven (7) years' experience in a web-based client/server software development environment, including at least three (3) years as a database systems developer; or,
Bachelor's degree from an accredited college/university in computer science (CS) or management information systems (MIS), and three (3) years' experience in a web-based client/server software development environment.

NOTE: Programming language(s), operating system(s), and software application(s) required depend on the current position vacancy, advertisement, or assignment.

Licenses and Certifications
A valid driver's license or state-issued identification card.

Preferred Qualifications
1. Master's degree from an accredited college/university in computer science (CS) or management information systems (MIS).
2. Experience with Red Hat Linux, Apache, and/or SQL Server.
3. Experience with Microsoft Visual Studio (.NET preferred), Active Server Page (ASP), or Java 2 Platform Enterprise Edition (J2EE).
4. Experience with web-based systems design, including Hypertext Preprocessor (PHP), Visual Basic (VB) (.NET version preferred), JavaScript, Cold Fusion, Java, C++, and C#.
5. Structured Query Language (SQL) and MySQL.

Document(s) Required at Time of Application
1. High school transcript or other equivalent (i.e., GED, foreign equivalency, etc.)
2. Copy of a valid driver's license or state-issued identification card.
3. Transcript(s) from an accredited college/university, if applicable.
4. Specific documented evidence of training and experience to satisfy qualifications.

Examples of Assigned Work Areas

CCSD Human Resources Division.

Work Environment

Strength

Sedentary/medium – exert force of 20-50 lbs., occasionally; 10-25 lbs., frequently; up to 10 lbs., constantly.

Physical Demand

Frequent sitting, standing, walking, pushing, pulling, stooping, kneeling, climbing, crouching, reaching, handling, and repetitive fine motor activities. Mobility to work in a typical office setting and use standard office equipment. Stamina to remain seated and maintain concentration for an extended period of time. Hearing and speech to communicate in person, via video conference and computers, or over the telephone. Vision: Frequent near/far acuity and color vision. Vision to read printed and online materials, a Video Display Terminal (VDT) screen, or other monitoring devices.

Environmental Conditions

Climate-controlled office setting with temperatures ranging from mild to moderate cold/heat. Exposure to noise levels ranging from moderate to loud for occasional to frequent time periods.

Hazards

Furniture, office equipment, communicable diseases, chemicals and fumes (as related to specific assignment), and power/hand-operated equipment and machinery (as related to specific assignment.)

Examples of Equipment/Supplies Used to Perform Tasks

Computers, internet, software, printers, modems, local area network (LAN) resources, scanners, copiers, telephones, fax machines, etc.

AA/EOE Statement

The Clark County School District is proud to be an equal opportunity employer. The Clark County School District is committed to providing all applicants and employees equal employment opportunities without regard to race, color, religion, sex, gender identity or expression, sexual orientation, national origin, genetics, disability, age, military status, or other characteristics protected by applicable law. Here at Clark County School District, we are a diverse group of people who honor the differences that drive innovative solutions to meet the needs of our students and employees. We believe that through a culture of inclusivity, we have the power to reflect the community we serve.

Job Revision Information

- Revised: 08/14/23
- Created: 02/24/00