DATABASE ANALYST III (WEB-BASED)

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

POSITION SUMMARY:
Under general direction, coordinates, designs, develops, and implements interactive web-based relational database systems. System development involves creating, programming, and maintaining web-based databases by managing and implementing standards, procedures, revision lists, security, and documentation.

ESSENTIAL DUTIES AND RESPONSIBILITIES:
This 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, performs data modeling and implements final products; resolves errors and interface problems; and ensures integrated systems in accordance with development standards.
2. Plans, prepares, defines, structures, develops, and programs web-based database systems.
3. Works with department staff to define and implement interfaces to ensure that various browsers and other clients interact with the required database systems.
4. Works with department staff to design relational database systems for the ultimate benefit of all users.
5. Modifies relational database systems as data needs change.
6. Provides customer service by resolving systems design conflicts between the department, internal, and external end users.
8. Performs normalization to reduce or eliminate data redundancy and to improve relational database performance.
9. Writes requirements specifications, data dictionaries, self-documenting code, and other required documents in accordance with documentation standards.
10. Presents system functionalities to staff and oversees implementation once developed.
11. Tests and evaluates system performance and recommends corrective action if system performance is deficient.
12. Conforms to safety standards, as prescribed.
13. Performs other tasks related to the positions, as assigned.

DISTINGUISHING CHARACTERISTICS:
Involves in-depth knowledge of database development, management, and implementation, which requires a high level of technical skill and experience in web-based relational database systems design and programming techniques.

KNOWLEDGE, SKILLS, AND ABILITIES (Position Expectations):
1. Knowledge of and ability to write software with programming languages.
2. Knowledge of database query languages.
4. Ability to tune and normalize databases.
5. Ability to design effective databases and database schema.
6. Ability to design effective data dictionaries.
7. Ability to translate functional needs into clear problem definitions and solutions.
8. Ability to write clear, accurate, and concise reports, documentation, user instructions, correspondence, and other written materials.
9. Ability to contribute to the efficiency and effectiveness of the department’s service to Clark County School District staff by offering suggestions and directing or participating as an active member of a development team.

02/24/00
Revision: (07/01/00; 07/15/05; 06/14/07; 12/12/08; 09/22/15; 04/11/18)
10. Ability to maintain current knowledge of technology and new computer user applications.
11. Ability to coordinate multiple projects and meet predetermined deadlines.
12. Ability to work flexible hours or shifts.
13. Ability to develop and maintain an effective working relationship with District staff, vendors, and other agencies.
14. Ability to recognize and report hazards and apply safe work methods, management principles and practices.
15. 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 Educational Development (GED), foreign equivalency, etc.).
2. Seven (7) years experience in a web-based client/server, software development environment, of which includes at least three (3) years as a database systems developer; or, Bachelor’s degree in computer science (CS) or management information systems (MIS); and, three (3) years experience in a web-based client/server, software development environment, and database systems developer.

PROGRAMMING LANGUAGE(S), OPERATING SYSTEM(S), AND SOFTWARE APPLICATION(S) REQUIRED IS CONTINGENT UPON THE CURRENT POSITION VACANCY, ADVERTISEMENT, OR ASSIGNMENT.

Licenses and Certificates:
None specified.

Preferred Qualifications:
1. Master’s degree in computer science (CS) or management information systems (MIS).
2. Experience with Red Hat Linux, Apache, and/or SQL Server.
4. Experience with web-based systems design including but not limited to: 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 graduation or other equivalent (i.e., GED, foreign equivalency, etc.).
2. College transcript(s), if applicable.
3. Specific documented evidence of training and experience to satisfy qualifications.

EXAMPLES OF ASSIGNED WORK AREAS:
Clark County School District Human Resources Division.

WORK ENVIRONMENT:
Strength: Sedentary to medium – exert force 20-50 lbs., occasionally; 10-25 lbs., frequently; or up to 10 lbs., constantly.

Physical Demands: 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 and 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, playground/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:
Various computers, hardware and software applications, printers, modems, local area network (LAN) resources, the Internet,
scanners, copy machines, telephones, fax machines, etc.

An Affirmative Action/Equal Opportunity Employer

This employer does not knowingly discriminate on the basis of race, color, religion, sex, sexual orientation, gender identity or
expression, age, disability, or national origin.