

Database Analyst III (Web-Based) - Facilities

Position Details

Class Code: 1517

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, implements, modifies, supports, and manages relational database systems, servers for client/server and web-based applications in support of facilities-related data, processes, and accountability. Creates, programs, and maintains web-based applications and internal 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 management, business owners, vendors, etc., to define functional requirements, model data, resolve errors, and implement database solutions.
2. Plans, prepares, defines, structures, develops, and maintains database systems.
3. Develops, implements, maintains, and troubleshoots scripts to integrate, update, and streamline processes between multiple databases.
4. Develops, maintains, and publishes database systems standards, rules, policies, and procedures.
5. Develops, maintains, and publishes documentation of data dictionaries, data/relational diagrams, queries, views, indexes, code, forms, scripts, interfaces,

- schedules, plans, modules, functions, triggers, packages, etc.
6. Works with appropriate departments, staff, and application vendors/providers to define, implement, and maintain file/data interfaces to appropriate data stores; ensures continued system operations/interaction to meet standards and customer expectations.
 7. Designs, implements, documents, and maintains relational database security/recovery procedures.
 8. Modifies relational database systems as data needs change.
 9. Reduces/eliminates data redundancy and improves relational database performance via normalization.
 10. Creates, edits, revises, and coordinates processing/distribution of accountability, exception, and compliance reports.
 11. Codes, tests, and debugs queries, views, indexes, triggers, packages, reports, etc.
 12. Assists in identifying and troubleshooting application, interface, communication, and reporting failures.
 13. Reviews processes and data to ensure integrity of information and reports.
 14. Presents system functionalities to staff; oversees system implementation.
 15. Tests and evaluates system performance; recommends corrective action if system performance is deficient.
 16. Conforms to safety standards, as prescribed.
 17. Performs other tasks related to the position, as assigned.
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Distinguishing Characteristics

Involves most aspects of multiplatform enterprise-class database systems operations/administration, including database development, management, and implementation requiring strong technical skills/experience in web-based relational database systems design, scripting, and programming.

Knowledge, Skills, and Abilities (Position Expectations)

1. Knowledge of enterprise-class computing systems, operations, and capabilities, including centralized, distributed, client/server, and web-based environments.
2. Knowledge of web-based client/server development environments.
3. Ability to write/understand code in PHP and JavaScript; knowledge of Python, Structured Query Language (SQL), database procedural languages (PL/SQL,

- PL/PGSQL, T-SQL), Cascading Style Sheets (CSS), Hypertext Markup Language (HTML5), Ajax/JavaScript Object Notification (AJAX/JSAON), and others as needed.
4. Ability to develop logical procedures and code steps into knowledge of database query languages.
 5. Ability to learn construction, facilities management, accounting, and budget terminology and practices.
 6. Ability to troubleshoot hardware/software problems and debug programs/applications.
 7. Ability to access, use, edit, and maintain databases.
 8. Ability to use database query languages and web-based client/server development environments for Facilities reporting needs.
 9. Ability to exercise independent judgment within established procedural guidelines.
 10. Ability to tune and normalize databases.
 11. Ability to design effective databases, database schema, and data dictionaries.
 12. Ability to translate functional needs into clear problem definitions and solutions.
 13. Ability to write clear, concise, accurate reports, documentation, user instructions, correspondence, etc.
 14. Ability to contribute to the department's service efficiency/effectiveness by offering suggestions and actively directing or participating in team efforts.
 15. Ability to keep current with technology and applications.
 16. Ability to coordinate multiple projects and meet predetermined deadlines.
 17. Ability to work flexible hours/shifts.
 18. Ability to develop and maintain effective working relationships with Clark County School District (CCSD) staff, vendors, and other agencies.
 19. Ability to recognize and report hazards and apply safe work methods, management principles, and practices.
 20. Possess physical and mental stamina commensurate with the responsibilities of the position.
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Position Requirements

Education, Training, and Experience

1. High school graduation or other equivalent (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 professional work experience as an enterprise-class database systems developer (i.e., PostgreSQL, Oracle, or SQL Server); or,

Bachelor's degree from an accredited college or university in computer science (CS) or management information systems (MIS), and at least three (3) years professional work experience as an enterprise-class database systems developer (i.e., PostgreSQL, Oracle, or SQL Server).

3. Three (3) years experience using Python.
4. Experience using REST APIs to query and manipulate data.

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 or university in computer science (CS) or management information systems (MIS), or a related field.
2. Structured Query Language (SQL) and PostgreSQL.
3. JavaScript, PHP, AJAX/JSON, CSS, and HTML5 experience.
4. Experience administering an enterprise geodatabase and using PostGIS.

Document(s) Required at Time of Application

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

Examples of Assigned Work Areas

CCSD Facilities Services Unit.

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, Video Display Terminal (VDT) screens, 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

- Created: 10/02/24