



Database Administrator

Job Description

Department: Information Systems
Position: Career Service
Grade: 732
Supervisory: No
Reports to: Database Administration Supervisor

Summary

Under general guidance and direction of the Database Administration Supervisor, develops, implements, administers, and maintains policies and procedures for ensuring the security and integrity of databases. Executes data models, database designs, data access, and table maintenance. Resolves database performance and capacity issues, replication, and other distributed data issues. Performs mission critical database administration work in Oracle and potentially other platforms.

Essential Functions

Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

1. Recommend improvements to database physical structure, database security, data back-up, and recovery systems and procedures.
2. Identify database requirements; analyze county applications, programming, and operations; evaluate existing systems and design proposed systems.
3. Convert Oracle packages, functions, triggers, and procedures from Procedural Language/Structured Query Language (PL/SQL) to Postgres PL/pgSQL.
4. Apply bundle patches to Oracle databases, upgrade Oracle and Postgres major versions, and update Linux packages.
5. Perform data queries; coordinate testing, train users, and connect various applications and client hosts.
6. Ensure security procedures are maintained and adhered to; work with other IT teams, as needed.
7. Ensure adequate system resources, including disk space and memory; develop performance optimization strategies; implement approved strategies, as directed.
8. Participate in regular security audits.
9. Document database standards, policies, and procedures.
10. Programmatically interact with Oracle, Microsoft Structured Query Language (MSSQL), Postgres, and other databases.

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Job Title: Database Administrator
FLSA: Exempt
Effective Date: 3/7/2025
Public Safety: No

Worker's Compensation: Clerical
Background Level: II
Safety Sensitive: No
DOT: No
ML: Individual Contributor

11. Actively promote a culture of innovation and productivity; consistently participate as a leader in staff training, code reviews, and mentoring activities.
12. Maintain overall integrity of assigned databases; coordinate and conduct regular database design and code reviews.
13. Perform additional responsibilities as assigned by leadership; track and control activities for assigned projects; report status updates accurately and assure that management and team leaders are made aware of all problems or potential problems in a timely and professional manner.

Knowledge, Skills, and Abilities

- Knowledge of Oracle Enterprise Edition
- Knowledge of PostgreSQL Database
- Knowledge of Linux and Logical Volume Manager (LVM)
- Knowledge of MSSQL Server
- Knowledge of security procedures and technologies and an understanding of audit processes
- Skilled in data modeling and design
- Skilled in query optimization and initialization parameters
- Skilled in Oracle RMAN backup and recovery methodologies
- Skilled in shell scripting
- Skilled in communicating technically complex information both verbally and in writing
- Skilled in problem-solving
- Ability to work with application developers to ensure that the necessary changes to databases meet the required deliverables
- Ability to provide excellent customer service and public relations outreach
- Ability to effectively manage multiple priorities and meet deadlines
- Ability to adapt to varied roles and job responsibilities
- Ability to use a life cycle management process for implementation of changes in technology
- Ability to work effectively and positively independently and within a team environment while maintaining cooperative relationships with users, key stake holders, team members, and management
- Ability to foster and encourage a culture of innovation as a role model and mentor by personally seeking out innovative solutions and methods and sharing those with the team
- Ability to maintain quality service by establishing and enforcing organization standards

Supervisory Responsibility

This position has no direct supervisory responsibility but does serve as a coach and mentor for other positions in the department.

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Work Environment

This job operates in a professional office environment but occasionally exposes incumbent to electrical hazards during systems installation and maintenance. Work may expose the incumbent to high stress situations including contact with the public and others in confrontational, emotionally charged, or uncomfortable circumstances. This role routinely uses standard office equipment such as a laptop, desktop, smartphone, photocopiers, shredders, and filing cabinets. The noise level in the work environment is usually moderate. The incumbent may be required to drive Utah County owned vehicles in the course of conducting County business and must abide by the Utah County Vehicle Policy.

Physical Demands

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job.

While performing the duties of this job, the employee is required to use manual dexterity to handle, feel, and operate objects, tools and controls, and reach with hands and arms. This employee is frequently required to stand, talk, and hear. Specific vision abilities by this job include close vision and ability to adjust focus. The employee is required to type, file, and lift supplies up fifty (50) pounds. The employee occasionally drives a motor vehicle.

Position Type / Expected Hours of Work

Incumbent must work eighty (80) hours each pay period to maintain full-time status. There may be availability to work out a flex schedule ahead of time that works for both the County and the employee. Occasional evening and weekend work may be required as job duties demand.

Travel

Travel is primarily local during the business day, although some out-of-area and overnight travel may be expected, up to five (5) percent.

Required Education and Experience

1. Bachelor's degree in a related area or equivalent.
2. Four (4) years conducting database administration tasks, such as database implementations, backups, and account maintenance.
3. Demonstratable work competence in database administration or a similar field.
4. Equivalent combinations of education, experience, and demonstrated work competence may also be considered.

Preferred Education and Experience

1. Preference may be given to applicants with a master's degree in Information Systems or a related field.

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2. Preference may be given to applicants with relevant and valid certifications, such as Microsoft Certified Solutions Expert Database Administrator (MCSE DBA), Oracle Associate, or equivalent.

Additional Eligibility Qualifications

1. Applicants must possess a valid driver’s license and obtain a valid State of Utah driver’s license within sixty (60) days of employment.
2. Selected applicants will be required to submit to a pre-employment drug screen and background check. Due to potential access to sensitive and protected data, this position is subject to additional criminal background checks as directed by the Information Systems Department.

AAP/EEO Statement

It is the policy of Utah County Government to assure equal employment opportunity to its employees and applicants for employment without regard to race, color, religion, national origin, disability, age, sex, sexual orientation, genetic status or gender identity.

Other Duties

Please note this job description is not designed to cover or contain a comprehensive listing of activities, duties, or responsibilities that are required of the employee of this job. Duties, responsibilities, and activities may change at any time.

Utah County Government is a drug-free workplace.

Acknowledgement below to be completed after an offer has been extended and accepted.

This job description has been approved by the Office of Human Resource Management in consultation with the Department Head.

Signature below constitutes an understanding of the requirements, essential functions and duties of the position.

Candidate / Employee _____ Date _____

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