



CLASS SPECIFICATION

Class Title: Database Administrator III
Department: Information Systems
FLSA: Exempt

Class Code: 3385
Grade: 30
Eff. Date: 12/23/2022

GENERAL PURPOSE

Under general guidance and direction from the Director of Information Systems or designated manager, this position performs complex technical duties in designing, maintaining and modifying county database systems. Provides services on new development and/or maintenance projects on any county software system.

EXAMPLE OF DUTIES

Analyzes, implements, installs and maintains SQL and other relational databases for county systems. Analyzes, monitors and administers database performance, security, integrity and capacity; takes remedial action as necessary. Performs all database administrative functions related to packaged software implementation including creation of test and development databases, version control, etc.

Creates and maintains data models, repositories, directories and documentation that relates to databases. Maintains repository of standards and policies pertaining to design, coding and interface of data.

Responsible for the understanding of the application programs technical requirements, the architecture of the system, data model, interfaces, and applications.

Works with the system engineering team to understand customer business needs and priorities.

Defines system and technical requirements, including both functional and non-functional, to support database management system development.

Maintains and improves county system data and platform. Develops and implements solutions for data quality validation.

Assists in data conversions. Assists in writing scripts and programs to update data or move data to other structures. Uses software tools to develop and maintain databases. Monitors database backups and restoration; ensures database integrity.

Identifies, designs and implements internal process improvements including re-designing infrastructure for greater scalability, optimizing data delivery, and automating manual processes.

Works with stakeholders including data, design, product and executive teams and assisting them with data-related technical issues.

Advises developers on database design with emphasis on performance and standardization. Participates on software design teams as advisor on database design and implementation. Works with external organizations, agencies and other levels of government, as well as within the county, concerning data sharing and electronic data interchange.

Develops and maintains data pipelines (i.e., ETL Techniques) including solutions for data collection, management, and usage.

Implements processes and systems to monitor data quality, ensuring production data is always accurate and available for key stakeholders and business processes that depend on it.

Maintains and assigns user and developer access to county systems. Assists users with database problems; advises developers and technicians on solutions. Assists users with system access problems.

Performs related duties as assigned.

MINIMUM QUALIFICATIONS

1. **Education and Experience:**

Graduation from an accredited college or university with a Bachelor's or Master's Degree in Computer Science, Information Systems, or a closely related field, plus 10 years (with a bachelor's degree) or 8 years (with a master's degree) experience in database administration. An acceptable combination of education and experience may be considered.

Preference for:

- Master's degree in IT field
- MSSQL experience
- Certifications such as MCADAA

2. **Special Qualifications:**

Employees driving a personal or a County vehicle for job related travel must possess a valid driver license, maintain the minimum vehicle liability insurance as specified in the Utah Code, and must operate a motor vehicle in a safe manner; new employees with an out-of-state license must obtain a valid Utah Driver License within sixty (60) days of hire date (exceptions for military personnel and their dependents).

3. **Necessary Knowledge, Skills, and Abilities:**

Knowledge of: SQL database design tools, techniques and principles; SQL Management Studio, Visual Studio/BI development studio, MS Analysis Services, Integration Services, Reporting Services; information systems analysis, design, development, implementation, and operation in a network environment; creation and maintenance of stored procedures, triggers and functions; database methodologies, optimization and data integrity.

This position may require the driving of a motor vehicle; skill in operating a motor vehicle in a safe manner; ability to insure motor vehicle is operating in a safe manner; knowledge of Utah motor vehicle rules and regulations.

Ability to: analyze and solve complex problems; analyze, design, modify, and maintain databases; read and understand technical manuals; troubleshoot problems and recommend solutions; perform advanced math functions; set priorities and work with minimal supervision; establish and maintain effective working relationships with supervisors, other employees, other departments, and the general public; communicate effectively (orally and in writing); follow



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written and oral instructions.

The above statements are intended to describe the general nature and level of work being performed by persons assigned to this job. They are not intended to be an exhaustive list of all duties, responsibilities and skills required of personnel so classified. ***All requirements are subject to possible modification to reasonably accommodate individuals with disabilities.***