

Cloud Database Administrator – Data Operations

Organizational Information

The Cloud Database Administrator plays a significant role in the design, development, implementation and maintenance of databases. This position is responsible for capacity planning, monitoring, overall performance, growth and tuning configurations as well as the security for the databases. Kansas State University has a cloud first strategy for all new applications and data structures while working to move on-premise databases to the cloud where feasible. The Cloud Database Administrator partners with the applications teams and infrastructure operations to ensure that database performance is not hindered and performance standards adhere to service level agreements.

Position Title: IT Administrator

Business Title: Cloud Database Administrator

Location: Manhattan

Reports To: Nick Austin, Senior Director Data Operations

Type: Full-time; 12 months; Exempt

Hours of work: 8am – 5pm

Occasional overnight travel

Job responsibilities

#1 – Essential – 50%

- Develop modern, scalable, maintainable, high-quality databases and data services consistent with industry practices in support of enterprise applications.
- Maintain database solutions in a hybrid (cloud-first) environment includes AWS, Azure, and several on-premise data structures.
- Capacity plan, monitor performance, configure thresholds, and tune databases.
- Develop data solutions that utilize cloud-based technologies and platforms (PaaS, DBaaS).
- Migrate existing data from legacy data stores to new platform data stores.
- Assist with support, upgrades, and optimizations for existing data services.
- Support database administration and assist in architecting solutions for applications in the cloud and on-premise.
- Manage database processes and systems to provide improved monitoring.
- Validate backups are successful and available for recovery within service level specifications.

#2 – Essential – 40%

- Work alongside data architects delivering stable architectures while meeting design specifications, sprint goals and timelines.
- Contribute to a highly collaborative environment with data operations team, data architects, application developers, and product managers.
- Write and review stored procedures and make recommendations for optimizations.
- Consistent ability to analyze issues and determine or recommend appropriate actions for resolution.
- Ensure security and access control through best practices and tools, monitor to identify possible intrusions, work with the development and security teams to improve applications and security.
- Support data operations and work in development and operationalizing ETL and ESB solutions.
- Meets performance standards in accordance to service level agreements set by the technology executive leadership team.

#3 – Essential – 10%

- Establishes work prioritization by analyzing input from multiple sources while considering areas for operational improvement.
- Ensures data integrity and governance through best practices and policies established by Executive Leadership.
- Meets deadlines and ensures work is complete and accurate.
- Reliably respond to on-call emergencies and participate in on-call support rotation as needed.
- Document and communicate changes, issues, and investigations.

Minimum (Required) Qualification

Associates Degree

Three to five years experience

Preferred Qualification

Bachelor's degree in computer science or related field degree desired

Excellent logical, analytical, and problem-solving skills

Exceptional project management skills, including the ability to effectively deploy resources and manage multiple projects of diverse scopes

Experience with automating DBA tasks and database monitoring tools such as CheckMK

Experience with cloud data systems (e.g. AWS & Azure)

In-depth knowledge of SQL

Proficient with relational databases (e.g. Oracle & SQL Server)

Three or more years in cloud database development, implementation and support

Physical Requirements

- COVID – *current environment listed for remote work*
- Sitting for long periods of time
- Visit other offices, remote sites, and ability to work outside of the office environment
- Ability to work with frequent interruptions
- Occasional after hours and weekend work when required