

Position: Data Engineer

Location: Montvale, NJ

Reporting to: VP, Information Technology

Summary

We are seeking a highly skilled Data Engineer to build and manage our data infrastructure. The ideal candidate will be an expert in writing complex SQL queries, designing efficient database schemas, and developing ETL/ELT pipelines. You will ensure data is accurate, accessible, and optimized for performance to support business intelligence, analytics, and reporting needs.

Key Responsibilities

- **Database Design & Management:** Design, develop, and maintain relational databases (e.g. SQL Server, PostgreSQL, Oracle) and cloud-based data warehouses.
- **Strategic SQL and Data Engineering:** Develop sophisticated, optimized SQL queries, stored procedures, and functions to process and analyze large, complex datasets for actionable business insights.
- **Data Pipeline Automation & Orchestration:** Help build, automate, and orchestrate ETL/ELT workflows utilizing SQL, Python, and cloud-native tools to integrate and transform data from diverse, distributed sources.
- **Performance Optimization:** Tune queries and optimize database schema (indexing, partitioning, normalization) to improve data retrieval and processing speeds.
- **Data Integrity & Security:** Ensure data quality, consistency, and integrity across systems. Implement data masking, encryption, and role-based access control (RBAC).
- **Documentation:** Maintain technical documentation for database schemas, data dictionaries, and ETL workflows.

Required Skills and Qualifications

- **Education:** Bachelor's degree in computer science, Information Systems, or a related field.
- **SQL Mastery:** 5+ years of experience with advanced SQL (window functions, CTEs, query optimization).
- **Database Expertise:** Deep understanding of relational database management systems (RDBMS) and data modeling techniques.
- **Cloud Platforms:** Demonstrated experience with Azure Data Services and other data warehouse technologies.
- **Programming:** Proficiency in Python for scripting and data manipulation.
- **ETL Tools:** Familiarity with tools like SSIS or Azure Data Factory.
- **Soft Skills:** Strong analytical thinking, problem-solving, and communication skills.

Nice to Have

- Experience with NoSQL databases (Cosmos DB, MongoDB).
- Experience with big data frameworks (Apache Spark, Kafka).
- Relevant certifications (e.g., Microsoft Certified: Azure Data Engineer Associate, Google Professional Data Engineer).

Typical Work Environment

- **Tools Used:** SQL IDEs (DBeaver, SSMS), Cloud Consoles, Git, Jira, SSIS.
- **Industry:** Leasing.

All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, disability, national origin, or veteran status.