



Company: Vickery Energy
Position: Data Engineer
Location: Fort Worth, Texas

Company Overview

Based in Fort Worth, Texas, Vickery Energy Management, LLC (“Vickery”) is a well-capitalized, privately held oil and gas company. The company was founded in 2024 by Quantum Capital Group (“Quantum”) and members of management following the successful acquisition, development, and divestiture of companies across upstream, midstream, and minerals in Appalachia in 2023.

Characteristics of Vickery:

- The team is highly experienced and has a long history of working together.
- Vickery prides itself on fostering a culture of teamwork, comprised of high-integrity, dedicated, intellectually curious, honest, and execution-focused team members in a fast-paced environment.
- The team has acquired, operated, developed, and managed upstream, midstream, and mineral assets in nearly every major US Domestic basin.
- The Vickery team has a proven ability to manage large scale projects across a variety of basins.
- The team is focused on excellence in every facet of our business, each team member has a sense of responsibility for working together toward shared goals and to improve the status quo each day.

Position Summary

This role is eligible for a Senior title given the depth of experience, strong technical expertise, and proven success in managing and optimizing data systems. This role is responsible for database management, query optimization, and the development, deployment, and maintenance of ETL processes and data pipelines. Key duties include ensuring data integration and quality, maintaining version control, automating repetitive tasks, and developing and supporting internal data tools. The Data Engineer will collaborate with cross-functional teams—including engineering, operations, land, finance, and accounting—to improve data workflows, management, and accessibility across the organization. Vickery is not currently able to sponsor applicants for a work visa.

Duties / Responsibilities

- Design, implement, and evolve database architecture and schemas to support scalable, reliable, and efficient data storage and retrieval across multiple systems and use cases.
- Build, manage and maintain end-to-end data pipelines, including automating data ingestion and transformation, monitoring pipeline health, troubleshooting failures, and ensuring data quality and reliability.
- Document all aspects of the data pipeline — from data sources and transformations to jobs and scheduling — so that others can understand the system.



- Monitor and optimize database performance, including slow-running queries, indexing, stored procedures, and views, to handle large volumes of data efficiently.
- Develop frameworks for handling common data challenges, e.g., reusable ETL pipelines, utilities for working with data formats (CSV, JSON, Parquet), or interfaces for querying data.
- Continuously improving and refining data engineering practices, such as adhering to coding standards, security protocols, and performance best practices.
- Maintain version control for scripts and pipelines, ensuring changes to the data pipeline infrastructure are tracked.

Required Skills / Abilities / Qualifications:

- Excellent verbal and written communication skills, interpersonal and conflict resolution skills, and an ability to work in a fast-paced environment
- Excellent organizational skills and attention to detail
- Strong analytical and problem-solving skills
- Proficient with Microsoft Office Suite and other related software
- Proficient in making and optimizing API calls for data integration
- Strong experience in programming languages such as R, Python, SQL
- Strong experience in cloud platforms such as Azure Data Lake, Azure Data Studio, Azure Databricks and/or Snowflake
- Proficient in CI/CD principles and tools
- Position requires an experienced, highly-motivated, detail-focused, team-oriented, high-integrity, and humble self-starter
- Strong drive for continuous improvement and is always looking to find new and better ways to do things, including the adoption of evolving technologies and workflows

Required Education and Experience:

- 2+ years of data engineering, database management, or software engineering experience
- Bachelor's degree in computer science, software engineering, or related field (Master's degree or additional certification a plus, but not required)
- Exposure to geospatial or GIS data a plus

Physical Requirements:

- Prolonged periods of sitting at a desk and working on a computer
- Must be able to lift up to 15 pounds at times