

# Lead Azure Data Engineer - Hybrid in Charlotte

<b>Post Date</b>	May 22, 2024
<b>Location</b>	Charlotte, North Carolina
<b>ZIP</b>	28217
<b>Job Type</b>	Contract-to-perm

## Job Description

A client in Charlotte, NC is looking for Lead Data Engineer to join their team. As the Technical Lead Data Engineer, your primary responsibility will be to spearhead the design, development, and implementation of data solutions aimed at empowering the organization to derive actionable insights from intricate datasets. You will take the lead in guiding a team of data engineers, fostering collaboration with cross-functional teams, and spearheading initiatives geared towards fortifying our data infrastructure, CI/CD pipelines, and analytics capabilities. Responsibilities are shown below:

Apply advanced knowledge of Data Engineering principles, methodologies and techniques to design and implement data loading and aggregation frameworks across broad areas of the organization.

Gather and process raw, structured, semi-structured and unstructured data using batch and real-time data processing frameworks.

Implement and optimize data solutions in enterprise data warehouses and big data repositories, focusing primarily on movement to the cloud.

Drive new and enhanced capabilities to Enterprise Data Platform partners to meet the needs of product / engineering / business.

Experience building enterprise systems especially using Databricks, Snowflake and platforms like Azure, AWS, GCP etc

Leverage strong Python, Spark, SQL programming skills to construct robust pipelines for efficient data processing and analysis.

Implement CI/CD pipelines for automating build, test, and deployment processes to accelerate the delivery of data solutions.

Implement data modeling techniques to design and optimize data schemas, ensuring data integrity and performance.

Drive continuous improvement initiatives to enhance performance, reliability, and scalability of our data infrastructure.

Collaborate with data scientists, analysts, and other stakeholders to understand business

requirements and translate them into technical solutions.

Implement best practices for data governance, security, and compliance to ensure the integrity and confidentiality of our data assets.

We are a company committed to creating diverse and inclusive environments where people can bring their full, authentic selves to work every day. We are an equal opportunity/affirmative action employer that believes everyone matters. Qualified candidates will receive consideration for employment regardless of their race, color, ethnicity, religion, sex (including pregnancy), sexual orientation, gender identity and expression, marital status, national origin, ancestry, genetic factors, age, disability, protected veteran status, military or uniformed service member status, or any other status or characteristic protected by applicable laws, regulations, and ordinances. If you need assistance and/or a reasonable accommodation due to a disability during the application or recruiting process, please send a request to [HR@insightglobal.com](mailto:HR@insightglobal.com) (<mailto:HR@insightglobal.com>).

To learn more about how we collect, keep, and process your private information, please review Insight Global's Workforce Privacy Policy: <https://insightglobal.com/workforce-privacy-policy/> (<https://insightglobal.com/workforce-privacy-policy/>) .

## Minimum Requirements

8+ years of experience in a data engineering role, with expertise in designing and building data pipelines, ETL processes, and data warehouses

3+ years of experience working as a lead and developing/mentoring other engineers

Strong proficiency in SQL, Python and Spark programming languages

Strong experience with cloud platforms such as AWS, Azure, or GCP

Hands-on experience with big data technologies such as Hadoop, Spark, Kafka, and distributed computing frameworks

Knowledge of data lake and data warehouse solutions, including Databricks, Snowflake, Amazon Redshift, Google BigQuery, Azure Data Factory, Airflow etc.

Experience in implementing CI/CD pipelines for automating build, test, and deployment processes

Solid understanding of data modeling concepts, data warehousing architectures, and data management best practices

Excellent communication and leadership skills, with the ability to effectively collaborate with cross-functional teams and drive consensus on technical decisions

## Industry

Data Warehousing

## Desired Skills

Required Questions to ask on the Front End:

1. Please explain how you would design a real-time streaming use case in an Azure environment.
2. How will you implement data quality using Databricks, Python, or an Azure tech stack? Explain input, output, configuration, table design, and data flow.
3. Explain how you handle and design for data pipeline job failures.
4. Pls mention fact and dim tables in your current project and its relationship? Like primary keys?
5. What is the difference between a list and a dictionary in Python?