UMAIR

Cloud Data Engineer | Frontend Developer

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SUMMARY

Cloud Data Engineer with expertise in building and optimizing scalable data pipelines, managing large datasets, and implementing cloud solutions on AWS and Snowflake. Skilled in Python, SQL, and data warehousing, with a commitment to improving data accessibility and reliability. Also a proficient Frontend Developer, bringing an understanding of end-to-end data flow to create solutions that enhance both data processing and user experience.

PROJECTS EXPERIENCE

Real-Time Stock Market Data Pipeline

Developed a real-time data pipeline for stock market data, utilizing Apache Kafka for data streaming and AWS services for scalable data storage and querying.

Weather and S3 Data Integration Pipeline

Developed a data pipeline using Apache Airflow on AWS EC2 to integrate weather data from OpenWeather API and Amazon S3 into an RDS PostgreSQL database. Transformed and joined data in parallel, with the final output stored in Amazon S3.

Real-Time Data Pipeline with SCD Implementation

Developed an end-to-end data pipeline that generates synthetic data using Python, extracts and transfers it via NiFi to S3, and ingests it into Snowflake using Snowpipe, with SCD Type 1 & 2 implementations for effective data tracking and management.

Real Estate Data Pipeline

This project implements a scalable data pipeline to extract, transform, and load real estate data from Redfin into Snowflake using AWS services. The data is later visualized in Power BI to provide insights into real estate trends.

Snowflake Multiple Data Loading Methods

The project involves using Snowflake's architecture for data ingestion, transformation, and visualization, integrating AWS services and local tools, with a focus on performance optimization and time travel.

E-Commerce Sales Analysis

The objective of this project is to analyze e-commerce sales data to derive meaningful insights that can help in making data-driven decisions to optimize business processes and strategies.

End-to-End Data Analysis

It demonstrates an end-to-end data analysis process using a dataset from Kaggle, involving data acquisition, cleaning, and analysis using Python, Pandas, and SQL.

Umair's Tech Showcase

A website designed to provide an exceptional user experience, showcasing my skills in Frontend Development and Data Engineering. It features an intuitive interface and interactive design, reflecting my commitment to clean, functional, and user-centric solutions.

EDUCATION

Cloud Data Engineering

S.M.I.T (Saylani Mass IT Training)

Karachi, Pakistan

- Training in Cloud Data Engineering, focusing on cloud platforms, data pipelines, and SQL for efficient data management.

Agentic AI Engineering

GIAIC (Governor Sindh Initiative)

Karachi, Pakistan

- Pursuing Agentic AI Engineering and Frontend Development at GIAIC, focusing on AI models, machine learning, automation, and building intuitive, user-centric web applications.

SKILLS

- **AWS**
- **Snowflake**
- **T-SQL, PostgreSQL**
- **Python (Pandas, Numpy)**
- **Apache Kafka**
- **Apache Airflow**
- **Next.js**
- **React.js**
- **TypeScript**
- **JavaScript**
- **CSS (Tailwind CSS)**
- **HTML**

LANGUAGES

English
Proficient ● ● ● ◐

Urdu
Native ● ● ● ● ●

Courses & Training

- **Data Engineering** — Snowflake
- **Associate Data Engineering in SQL** — DataCamp
- **Data Wearhousing** — DataCamp
- **SQL** — DataCamp
- **Python** — DataCamp