

# UMAIR

## Cloud Data Engineer

📞 923494804814

✉️ umairnawaz7228@gmail.com

🌐 linkedin.com/in/umairnawaz7228

📍 Karachi West, Pakistan

🌐 umair-portfolio-web.vercel.app

🔗 github.com/umair7228



## SUMMARY

Data Engineer with expertise in AWS, Snowflake, and real-time data pipelines. Skilled in designing scalable ETL workflows, data warehousing, and event-driven architectures using Apache Kafka, Airflow, and Python. Passionate about optimizing data systems for high-performance analytics and business intelligence. Seeking to leverage my expertise in cloud-based data solutions to enhance business insights and operational efficiency.

## EXPERIENCE

### Cloud Data Engineering Intern

📅 12/2023 - present

Saylani Tech

📍 Karachi, Pakistan

A tech industry focusing on software development and data technologies.

- **Developed and optimized ETL pipelines** to automate data extraction, transformation, and loading processes, ensuring efficient data flow and integrity.
- **Designed and implemented data models** to support analytical reporting and business intelligence, enhancing data accessibility and decision-making.
- **Utilized cloud platforms** such as AWS, GCP and Snowflake to build scalable data solutions, leveraging cloud-native services for storage and computation.
- **Applied data warehousing concepts** to consolidate data from multiple sources, enabling comprehensive analysis and reporting.
- **Collaborated with cross-functional teams** to understand data requirements and deliver solutions aligned with business objectives.
- **Conducted data quality assessments** and implemented validation processes to ensure accuracy and reliability of datasets.
- **Engaged in continuous learning** to stay updated with emerging data engineering tools and best practices, enhancing project outcomes.

## PROJECTS

### Pandemic Insights: ETL Pipeline with AWS Glue, Athena & Redshift

- Developed a scalable ETL pipeline to process and analyze COVID-19 data from multiple sources.
- Designed fact and dimension tables for optimized data querying in Amazon Redshift.
- Used AWS Glue and Athena for data transformation and insights generation.

### Serverless Data Lake Architecture on AWS

- Built an automated serverless data lake using AWS.
- Used S3, Lambda, Glue, CloudWatch, and SNS for ETL.
- Ensured scalable data processing and notifications.

### Event-Driven Data Processing System

- Designed an event-driven architecture using AWS SNS, SQS, Lambda, and S3.
- Enabled real-time data processing through event triggers and message queues.
- Optimized data handling and response times for dynamic event flows.

### Real-Time Stock Market Data Pipeline

- Developed a real-time stock data pipeline with Apache Kafka and AWS.
- Integrated Glue, Athena, and Crawlers for scalable storage and queries.
- Ensured timely access to market data for analytics.

### Real-Time Data Pipeline with SCD Implementation

- Created a synthetic data pipeline using Python and Apache NiFi for Amazon S3.
- Implemented Slowly Changing Dimensions (SCD) Type 1 & 2 for data evolution tracking. Used Snowpipe for seamless data ingestion into Snowflake for efficient updates.

## EDUCATION

### Cloud Data Engineering

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

📍 Karachi, Pakistan

- Completed comprehensive training in Cloud Data Engineering, focusing on cloud platforms, data pipelines, SQL, Python, Snowflake and more for efficient data management and analytics.

### 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            | • GCP                    |
| • Apache Spark   | • Snowflake              |
| • Apache Airflow | • Apache Kafka           |
| • SQL            | • WebScraping            |
| • Docker         | • Python (Pandas, Numpy) |
| • Next.js        | • React.js               |
| • TypeScript     | • JavaScript             |
| • HTML           | • CSS ( Tailwind CSS )   |

## LANGUAGES

- English
- Urdu

## Courses & Certifications

- |                                     |           |
|-------------------------------------|-----------|
| • Data Engineering                  | Snowflake |
| • Associate Data Engineering in SQL | DataCamp  |
| • Data Warehousing                  | Snowflake |
| • SQL                               | DataCamp  |
| • Python                            | DataCamp  |

## KEY ACHIEVEMENTS

### Promoted to Junior Instructor

Cloud Data Engineering at SMIT

📍 Karachi, Pakistan

- Mentoring and training aspiring cloud data engineers on AWS, Snowflake, ETL workflows, and real-time data processing.