

Muhammad Ehsan Ullah

Islamabad • (+92) 349-5045849
mehsanullah24@gmail.com • linkedin.com/in/meullah

Data Engineer with experience in Azure, Databricks, and SQL. Skilled at building data pipelines and working with large datasets. Good at solving problems and interested in cloud architecture and automation. Looking to grow into a Solution Architect role. Reliable, detail-focused, and focused on delivering effective data solutions.

Top Skills

- **Azure (Data Factory, Data Lake, Synapse, Microsoft Fabric, Logic Apps)** - 4+ years building and automating cloud-based data solutions.
- **Databricks (PySpark, Delta Lake, Notebooks, Jobs)** - Designed and optimized scalable ETL pipelines using Spark SQL and PySpark.
- **SQL (T-SQL, Azure SQL, Stored Procedures)** - 5+ years writing complex queries, tuning performance, and handling large datasets.
- **Apache Spark** - Used for distributed processing in batch and streaming workloads.
- **Data Pipelines & Medallion Architecture** - Built modular pipelines across Raw, Staging, and Refined layers using SQL, REST APIs, and file-based sources.
- **Azure DevOps & Git** – Experience with CI/CD pipelines, code versioning, and deployment automation.
- **Data Modeling & Warehousing** – Worked on star/snowflake schemas, dimensional modeling, and performance tuning.
- **APIs & File Integrations** – Consumed REST APIs, handled JSON/XML/CSV files via SFTP, Blob Storage.
- **AWS Skills** - Built Python AWS Lambda functions triggered by S3 events; managed data in Amazon S3; configured secure IAM roles and policies; monitored functions with CloudWatch.

Work Experience

Addo AI, Islamabad
Sr Data Engineer

07/2022-Present

Intelligent Data Platform (IDP)

- Led a team of 10+ Data Engineers across multiple data integration projects.
- Developed ETL pipelines in IICS to process terabytes of healthcare data from Oracle, including both full and incremental loads.
- Migrated legacy IICS ETL processes to Azure Data Factory (ADF) for improved scalability and performance.
- Built ADF pipelines for ingesting data from diverse sources (Oracle, SQL Server, flat files).
- Implemented detailed logging for load status and error tracking of daily ETL processes.
- Managed version control of ADF pipelines using Azure DevOps Git.
- Developed Spark jobs in Databricks to process data and create tables in the raw layer.
- Created curated and semantic workflows in Azure Databricks for downstream consumption.
- Scheduled ADF and Databricks workflows for seamless orchestration.
- Documented end-to-end ETL workflows for maintainability and operational support.
- Conducted knowledge transfer sessions with the operations team and helped onboard new engineers.

HANA to Azure Migration

- Migrated data from SAP HANA to Azure Data Lake Storage (ADLS) for centralized, scalable storage.
- Rebuilt legacy DataStage ETL pipelines in Azure Data Factory (ADF), improving maintainability and performance.
- Converted HANA Calculation Views into Databricks workflows using Spark for advanced data transformation and analytics.

UC4 to Stonebranch Migration

- Migrating UC4 jobs and job chains to Stonebranch Universal Automation Center (UAC).
- Rebuilding workflows using Stonebranch's visual editor to match existing dependencies, schedules, and triggers.
- Ensured accurate migration by validating job logic and parameters.

NorthBay Solutions, Islamabad Data Engineer

10/2020-06/2022

Batch Processing and Data Visualization

- Developed AWS Lambda functions in Python to process data files stored in S3.
- Configured event-based triggers on S3 to automatically invoke Lambda functions.
- Implemented logic to read, process, and write data back to S3, enabling near real-time processing.
- Performed data modeling and cleaning in Power BI to improve data accuracy and consistency.
- Designed and developed interactive dashboards in Power BI, enabling clear and actionable insights for stakeholders.

Upwork.com, Remote Top Rated Freelancer

01/2021-Present

- A skilled data engineer specializing in data processing, ETL pipelines, and big data technologies.
- They have successfully implemented data pipelines for a car marketing agency.
- Developed assessments focused on Azure Databricks and Synapse for professionals.
- Implemented metadata driven medallion architecture in MS Fabric.
- Implemented serverless data ingested through Azure Function Apps and Logic Apps.
- Optimized Synapse Pipelines.

Education

Bachelor in Computer Engineering, Graduated (2020), National University of Science and Technology

Certifications

1. Databricks Data Engineer Associate
2. Azure Data Engineer Associate (DP-203)
3. AWS Cloud Practitioner