

Abdullah Durrani

Data Engineer focusing on building scalable data solutions in the cloud.

m.abdullahdurrani7@gmail.com | [LinkedIn](#) | [GitHub](#)



TECHNICAL SKILLS

Data Engineering (2.5 years of project experience) | Python (3) | SQL (3) | ETL Pipelines (2) | Data Warehouse (2) | Azure (2) | AWS (2) | GCP (2) | BigQuery (2) | DeltaLake (2) | Apache Spark (2) | Airflow (1) | Pyspark (2) | AWS Glue (2) | Azure Data Factory (3) | AWS Redshift (2) | Databricks (2) | SQL Server (2) | Postgres (2) | Data Modelling (2) | Docker (1) | Git (4) | Agile (2).

WORK EXPERIENCE

03/2022 – today

Data Engineer

Blutech Consulting, Islamabad, Pakistan

Project: Finance Cockpit & Intelligent Collections – STC, Bahrain.

- Successfully led the 100% operationalization of a Cloudera-based data platform, comprising 10 workflows containing more than 50 scripts.
- Implemented significant enhancements within the data platform, including efficient ETL pipeline design resulting in a 40% increase in operational efficiency and a 70% reduction in downtime.
- Proficiently resolved data inconsistencies, ensuring the integrity of accurate financial reporting and achieving a significant 50% reduction in data errors.
- Demonstrated technical expertise and project management skills during the operationalization of system, setting the foundation for future data-driven growth and innovation within the organization.

Technologies used: Python | SQL | Impala | Hive | Pyspark | Oozie | Hadoop | Cloudera.

Project: Cloud Data warehouse Migration - Old Mutual Group, South Africa.

- Led a team of 4 to seamlessly migrate data warehouse from on-premises infrastructure to AWS.
- Transitioned SSIS jobs to AWS Glue, encompassing 5 streams housing 20-30 jobs each, encompassing tasks such as File to Database and Database to Database operations.
- Collaborated with business stakeholders to define and implement data governance policies and data cataloging, improving data quality and accessibility for analytics teams post-migration.
- Re-architected AWS Glue jobs to optimize resource utilization. By redesigning complex jobs, reduced the execution time by 80%.

Technologies used: Python | SQL | Redshift | SQL Server | Pyspark | AWS | RDS | SSIS | S3.

07/2021 – 03/2022

Data Engineer

Bytewise Limited, Islamabad, Pakistan

Project: Databricks Lakehouse development - Thames Water Utilities, UK

- Designed and architected a data warehouse based on the Databricks lakehouse architecture.
- Developed multiple robust and scalable big data pipelines, designed the delta lake architecture, and leveraged the best tools from Azure cloud to maintain the pipeline's scalability.
- Integrated data from 10+ source systems and processed GBs of data daily, used by multiple teams.
- Collaborated in performance tuning and optimization of data pipelines, resulting in 30% reduction in processing times, which significantly enhanced data availability and analytics capabilities for the organization.

Technologies used: Python | Pyspark | Azure | Azure Data Factory | Azure SQL | Azure Data Lake | SQL | Delta Lake | Databricks | Power BI.

Project: Dynamic ETL pipeline development in AWS – Outreach io.

- Developed dynamic extraction, cleaning, and transforming of unstructured files, resulting in a 40% reduction in data preparation time.
- Achieved 100% API automation, orchestrating the extraction of Millions records daily and seamless Redshift loading, leading to a 30% acceleration in data availability for analysis.
- Extracted and transformed diverse data sources for analysis using Pyspark, Python and SQL.

Technologies used: Python | Pyspark | AWS | AWS Glue | Redshift | Apache Hudi | SQL | Athena.

EDUCATION

02/2019 – 01/2023

Bachelors in Computer Science (BSCS)

National University of Modern Languages, Islamabad, Pakistan

ACHIEVEMENTS / CERTIFICATIONS

Databricks Certified Associate Developer for Apache Spark

Databricks Certified Data Engineer Associate

Databricks Lakehouse Fundamentals Accreditation

AWS Partner (Technical) Certified

Microsoft Certified MTA Python

LANGUAGE SKILLS

English (C2) | Urdu (Mother tongue) | German (A1 - currently learning)

HOBBIES

Chess | Football | Travel | Gaming | Community Building