

Danial Shabbir *Cloud Data Engineer*

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📍 Islamabad, Pakistan

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📖 <https://stackoverflow.com/users/9991377>

R^G <https://www.researchgate.net/profile/Danial-Sh>

🏆 https://www.hackerrank.com/danial_shabbir71

Profile

I'm an enthusiastic and diligent software technology professional. Having worked on a variety of projects around various domains equips me with the ability to adapt, enhance and optimise towards quality solution delivery. I'm an equally exceptional performer under pressure with core focus at adhering timelines.

Professional Experience

2023/08 – present

Solutions Engineer

Motive (Formerly KeepTruckin)

- Connecting with customers to understand their reporting needs
- Designing and developing custom analytical reports using Snowflake and SQL
- Integrating Motive's data warehouse with customer warehouses
- Using Python, SQL, Snowflake, Airflow, and Bash scripts to query, analyze, and visualize data
- Working with stakeholders to communicate insights and recommendations
- Developed a custom report that helped a customer to reduce their fuel costs by 10% (5k USD /month).

2022/10 – 2023/08
United Kingdom

Data Engineer / Backend Developer

Nowasys Limited

- Managed, Processed & Delivered terabytes of big data, intensive workloads via AWS EMRs (PySpark)
- Efficient use & processing of S3 Data Lakes via Distributed Computing Big Data technologies
- Refactored, Optimised previous big data processing pipelines to reduce 35% processing time and boosting marketing team's efficiency.
- Managed AWS EMR workflows with Apache Airflow by scheduling, monitoring & scaling of DAGs

2020/10 – 2022/04
Islamabad, Pakistan

Machine Learning Engineer - Big Data

Rapidev DMCC ☑

- Developed an end-to-end real-time ETL Pipeline to move 20 million rows of data daily from HDFS, and S3 to data warehouses
- Created, updated, and maintained SQL and Python-based custom reports for internal end-users and external clients.
- Created advanced ml models, visualizations, and measures to build Machine Learning dashboards.
- Implemented near real time log analytics pipeline using elastic search , Logstash and kibana.

2016/01 – 2020/10
Islamabad, Pakistan

Full Stack Developer

TheTekSol ☑

- Effectively multitasked and worked well with internal and external teams.
- Helped to achieve a consistent look and visual theme across the website by promoting uniform fonts, formatting, images, and layout.
- Effectively translated client requirements into application designs and system requirements.

Skills

Big Data - AI/ML

Apache Spark, Apache Kafka, Apache NiFi, ELK Stack

Programming Languages

Python, SQL, PHP, JavaScript ES6

Data Science

H2O AutoML, NLTK, Spacy, Hugging Face, BiTerm, Scikit Learn

Amazon Web Services

IAM, EMR, RDS, S3, Redshift, Lambda, Glue, EC2, Cloud9

Reporting & Analytics

Power BI, Kibana, Pandas, Seaborn, Bokeh, Plotly

Backend Frameworks / Server Tools

Flask, Gunicorn, Django, Laravel

Soft Skills

Adaptability, Collaboration, Communication Skills, Creativity, Critical Thinking, Presentation Skills, Problem Solving Skills

Projects

Compliance & Vehicle Utilization Reports (ELD)

Vehicle & Driver reports creation for compliance & safety purposes

Created comprehensive reports using Electronic Logs of vehicle data. The reports are utilised by enterprise customers with some big names e.g Fedex Grounds, Fedex Freight and NDCP. The reports provide insight on vehicle fuel performance, vehicle utilisation, driver payroll and to highlight compliance status of each IFTA trips across Canada, USA (states) & Mexico.

Comprehensive Workflow for Data Modeling, Analytics with DuckDB [↗](#)

Project & Article - Python Data Engineering

Converting the raw dataset into structured Dimension and Fact tables, allowing for efficient analysis and modelling. This process involves data cleaning and creating specific dimension tables covering attributes like date-time, passenger count, trip distance, payment types, and more.

OSINT

Open Source Intelligence Tool

Performed ETL with Spark and Kafka. Implemented machine learning models on the pipeline. Implemented microservices for as per requirements

PlayRevz

Analyze customer reviews and feedback

A web-based application that analyzes, monitors, google play store app reviews, ratings and classifies each review for different categories.

Premium Meat

Fully Personalized e-commerce store

A complete meat-seller e-commerce with a fully customizable admin panel, dashboard, e-payments and reporting with data warehousing capabilities

Research Work

Twitter Trends: A Ranking Algorithm Analysis on Real Time Data [↗](#)

Expert Systems with Applications

Empirical Analysis of Machine Learning Algorithms for Multiclass Prediction [↗](#)

Hindawi Journal