Danial Shabbir Data Engineer / Backend Developer

- 📞 (+92) 340 1763773
- 📍 Islamabad, Pakistan
- https://github.com/danielox
- ✉ danial.shabbir77@gmail.com
- in https://www.linkedin.com/in/danial-shabbir/
- 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

Solutions Engineer, *Motive (Formerly KeepTruckin)*

Aug 2023 – present

- 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% (450k USD).

Data Engineer / Backend Developer,
Nowasys Limited

Oct 2022 – Aug 2023 | United Kingdom

- 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

Machine Learning Engineer - Big Data,
Rapidev DMCC ⧉

Oct 2020 – Apr 2022 | Islamabad, Pakistan

- 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.

Full Stack Developer, *TheTekSol* ⧉

Jan 2016 – Oct 2020 | Islamabad, Pakistan

- 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.

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 ⧉

SKILLS

Big Data - AI/ML
Apache Spark, Apache Kafka, Apache NiFi, ELK Stack

Amazon Web Services
IAM, EMR, RDS, S3, Redshift, Lambda, Glue, EC2, Cloud9

Programming Languages
Python, SQL, PHP, JavaScript ES6

Reporting & Analytics
Power BI, Kibana, Pandas, Seaborn, Bokeh, Plotly

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

Backend Frameworks / Server Tools
Flask, Gunicorn, Django, Laravel

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

PROJECTS

OSINT, *Open Source Intelligence Tool*
Performed ETL with Spark and Kafka. Implemented machine learning models on the pipeline. Implemented microservices for as per requirements

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

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.