



# ZAIN SHAHID, PHD

DATA ENGINEER

## CONTACT

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## SKILLS

### Software Proficiency Skills:

- Cloud: AWS & GCP
- Data platforms: Databricks & Snowflake
- Containerisation: Docker & Kubernetes
- Frontend: Dash, Typescript & Javascript
- Data Analysis: Python & R
- Machine Learning

### Technical Expertise:

- Fluent in Spanish
- Customer Insights & Data Analysis
- Testing & Optimisation
- Performance Management
- Process Automation

## EDUCATION

2019 - 2023

UNIVERSITY OF SALFORD

- PhD in Prosthetics and Orthotics

2015 - 2019

UNIVERSITY OF MANCHESTER

- Bachelor of Engineering in Mechatronic Engineering

## PROFILE

"Data Engineer with a proven track record of developing data management applications and solutions". I am experienced in end-to-end application software development with a focus on maintaining databases and varied structured/unstructured data ingestion. With a "can-do" attitude I am driven to see every project through from start to finish. I have a passion for learning, mentored colleagues to improve data literacy and motivated cross-functional teams to ensure successful collaboration within a harmonized atmosphere.

## WORK EXPERIENCE

### SH24

2023 - PRESENT

#### Data Engineer

- Spearheaded the development of and deployment of an application stack to ingest, analyse and display Google Analytics data, driving marketing strategy and enabling 5 platform engagement studies.
- Optimised ETL pipelines and workflows to reduce lag time by 50% and reduce cluster uptime, saving £200,000 annually.
- Enhanced public health data reporting through consolidation on Databricks using medallion architecture and delta sharing via PowerBI connections.

### Brilliant Planet

2023 - 2023

#### Data Engineer

- Led the development of a web app to ingest and analyse laboratory data, linking overseas on-the-ground site data with laboratory data to shape critical civil engineering design decisions.
- Ingested raw data from csv and Excel sources into a data platform, created smart ingestion tools to perform calculations and built dashboards to enable the long-term performance analysis of over 150 algae varieties.

### Eleven - I

2023 - 2023

#### Data Scientist/Analyst Consultant

- Built smart dashboards using Grafana to enable real-time monitoring and alarming to alert for potential turbine damage.
- Developed reporting tools to expand statistical analysis of turbine performance and open new avenues to predicting blade failure.