

# Princewill Egbujor

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[Portfolio Website](#) | [GitHub](#)

## EDUCATION

**University of San Francisco**  
Master of Science (MS) in Data Science

**Jul 2023 - Jun 2024**  
San Francisco, CA

**University of Port Harcourt**  
Master of Science (MS)

**Nov 2013 - Apr 2015**  
Rivers, Nigeria

**Federal University of Technology Owerri**  
Bachelor of Engineering

**Mar 2005 - Mar 2010**  
Owerri, Nigeria

## SKILLS

Programming/ Visualization: Python, SQL, NoSQL, HTML, Linux, PowerBI, Looker, Excel, PowerPoint, Airflow.

Machine Learning: Regression, Classification, Unsupervised, Deep Learning, NLP, Transformers, Large Language Models (LLM)

Big Data/Database: PySpark, SparkSQL, ETL, Spark, MongoDB, Git, Databricks.

Cloud/ MLOps: Docker, Kubernetes, Flask, Streamlit, CI/CD pipelines.

Libraries and framework: PyTorch, NumPy, Pandas, Plotly, Scikit-Learn, Matplotlib, Seaborn, Spacy, SciPy, Selenium.

Web Experimentation: Causal Inference, A/B Testing, Hypothesis testing, Statistical Inference, Quantitative Analysis, Experimental Design

Soft skills: Leadership, Team player, Great adaptability, Good communicator.

## BUSINESS EXPERIENCE

**TruckX | Data Scientist** | San Francisco, USA

*Oct 2023 – Present*

### Sharp Turn Logic Detection & Prediction

- Analyzed ~**1000 hours** of GPS data on **Google BigQuery** using **DataProc** in **GCP Notebooks** to extract insights from vehicle GPS data.
- Crafted a rule-based sharp turn detection logic to capture 99% of all truck behaviors and engineered predictive features through exploratory data analysis.
- Developed an ML framework by training **Random Forest** and **Decision Tree classifiers** for predicting sharp turn event for moving trucks.
- Implemented real-time advance alert logic for sharp turns, improving driver and client safety by over 11%.

### Geofence Recommender system

- Building an intelligent geofence recommender system to automate 80% of geofence implementation through one-click intelligent sequence.
- Transformed and engineered multiple features from raw GPS and Electronic Logging Devices (ELD) data to define parameters for the model.
- Improve client app feature engagement by over 200% by utilizing **Clustering algorithms** to define most influential locations.

**Dangote Oil Refinery | Data Analyst** | Lagos, Nigeria

*Mar 2016 – Jul 2023*

### Operational Readiness Manager - Data Center

- Led data-driven refinery Operational Readiness Program (ORP), orchestrating multiple workstreams and implementing data-driven strategies. Spearheaded the development of predictive analytics models, resulting in a 30% reduction in downtime and \$5 million in cost savings for the \$9 Billion refinery project.
- Developed project-to-asset transition plans, optimizing resource allocation, and ensuring compliance with regulatory standards. Conducted exploratory data analysis (EDA) to identify operational inefficiencies, leading to a 18% increase in productivity and a 99% incident-free startup.
- Collaborated with cross-functional teams to define key performance indicators (KPIs) and revolutionize operational processes.
- Deployed a PowerBI dashboard integrating Next-Best-Action recommendations through predictive analysis of aggregated data from all stakeholders.

**Gmmu Limited | Senior Project Engineer** | Lagos, Nigeria

*Oct 2013 – Mar 2016*

### Dimension Data Analysis

- Led dimension data control services in over 20 oil & gas facilities, conducting detailed analysis and laser scanning, followed by 3D modeling of point clouds and clash report preparation.
- Managed contract negotiations, QA/QC checks, and collaborated with design engineers to ensure design specifications and changes compliance, resulting in over 23% increase in project delivery time and cost.
- Employed effective project management methodologies, including the 3Ws (What, Why, When), to drive project success. Coordinated cross-functional teams, facilitated stakeholder meetings, and implemented strategic planning initiatives to achieve project milestones efficiently and effectively.

## SELECT PROJECTS

**Recruitment Analytics Platform** – Utilized Python and SQL to integrate and analyze data from multiple streams, serving over **4000 personnel** for refinery commissioning. Utilized **Microsoft PowerBI** to visualize recruitment bottlenecks, leading to streamlined hiring processes, time, and cost savings.

**Sharp Turn Event Detection system** – Collaborated with a cross functional team to build a fit-for-purpose detection system with ML.

**Refinery Inventory Management System** – Conducted ETL processes and implemented data-driven inventory management solutions using **Python Django web framework**, optimizing resource utilization for early trading startup.