

Name: Osagie Johannes Eboigbe

Position: Data Scientist / Machine Learning Engineer

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#### Profile:

Osagie is an experienced data scientist with expertise in machine learning, cloud platforms, and DevOps practices. With a strong background in financial engineering and over a decade of experience in data analytics, machine learning, and deploying large-scale infrastructure, he has led innovative projects across industries. His ability to build robust machine learning models, automate processes, and optimize system performance has led to significant organizational impact.

#### Main Skills:

Python

Cloud Platforms: AWS, AZURE

Machine Learning and AI: Supervised Learning, NLP, Deep Learning

DevOps and CI/CD: Jenkins, Terraform, Ansible

Containers and Orchestration: Docker, Kubernetes

#### More Skills:

SQL, Json, CI/CD Automation, Web Scraping, Chatbot Development, Data Analysis and Visualization (Plotly, Matplotlib)

#### Interests:

Personal development in the Video games industry and mobile applications.

Use new technologies and languages to expand the imagination creating new stories and universes within the world of video games.

#### Experience:

##### Current experience

Octave Analytics | Lead machine learning engineer

December 2021 - Till date

**Project:** Worked on building and deploying large-scale machine learning models, specializing in natural language processing (NLP) and speech systems, used by millions of users daily. Deployed AI models within a cloud-based architecture using Kubernetes and Docker for seamless scaling.

Designed and implemented machine learning workflows and data pipelines using Azure services, ensuring efficient data flow integration across multiple environments.

Deployed and maintained machine learning models in production using Docker and Kubernetes, optimizing model performance for high-availability environments.

Developed CI/CD pipelines for automating model testing, deployment, and monitoring, ensuring the reliability and scalability of machine learning solutions.

Troubleshoot and resolved technical issues related to ML workflows and data integration, ensuring smooth operation across cloud-based platforms.

Collaborated with cross-functional teams to define technical requirements and develop solutions aligned with business needs.

Worked in Agile teams to ensure timely project delivery and deployment of solutions.

Utilized Python, Postman, Docker, Kubernetes, and Azure for developing and deploying the models.

#### Key Achievements:

AI Tool Sets : Led the development and deployment of speech-based machine learning models that processed over 5 million requests daily, enhancing user interaction and system performance

Technologies/Tech Stack: Python, R, SQL, C#

#### Previous Experience 1

Muster Data Limited | Research Data Scientist

November 2018 - December 2021

Project: Developed and deployed machine learning models, focusing on data engineering and model orchestration using cloud platforms. Implemented scalable solutions for financial prediction and chatbot development.

Managed ETL processes and designed data pipelines for model training and deployment using Azure and Google Cloud platforms. Integrated machine learning models into production environments, ensuring optimal performance and scalability using Kubernetes and Azure ML SDKs..

Created automated CI/CD pipelines to facilitate the deployment of chatbots and financial forecasting models, contributing to improved operational efficiency.

Collaborated with data scientists and software engineers to enhance model accuracy and streamline deployment workflows.

#### Key Achievements:

Enhanced stock price: Improved stock price prediction accuracy by 15% through advanced regression analysis and optimized data pipelines.

Optimized chatbot: Achieved a 30% increase in client revenue by deploying chatbots, streamlining customer interactions.

Technologies/Tech Stack: Python, R, SQL, C#

#### Previous experience 2

Eko Electricity Distribution Plc | Data Analyst

November 2014 - November 2018

Project: Focused on data analytics and database optimization, improving the company's ability to handle large datasets and perform efficient data processing.

Developed scalable database architectures and optimized data pipelines for handling structured and unstructured data.

Designed ETL processes to transform raw data into actionable insights, supporting the company's strategic decision-making

Conducted research and worked on the architecture and development of the software.

Collaborated with cross-functional teams to resolve technical issues related to data integration and analytics.

#### Key Achievements:

Enhanced Security and Reliability: Enhanced data processing efficiency by optimizing database designs and implementing scalable data pipelines, improving organizational decision-making.

Technologies/Tech Stack: Python, PowerBI, excel, SAS

Previous experience 3

Dangote Flour Mills Plc | Mill Engineer

August 1999 - October 2014

Project: Managed production and machine assembly operations in the flour mill, optimizing workflows to enhance production capacity and efficiency.

Led the engineering team in the organization and execution of flour milling operations, improving overall production processes..  
Implemented scalable systems for production management, ensuring consistent output and operational efficiency.

Key Achievements:

Production Optimization: Increased production capacity by streamlining engineering workflows and optimizing machine assembly processes.

Technologies/Tech Stack: Roller Mill, Plan-sifter,Purifier

Education

Master of Financial Engineering

Worldquant University, New Orleans, United States

Sep 2017 – Oct 2019

GPA: 87%

Capstone Project: Financial Market Prediction using Machine Learning

Chemical Engineering

University of Benin, Benin City, Nigeria

Aug 1993 – Dec 1998

Certifications

Microsoft Certified Azure AI Engineer – Jul 2022

AWS Solution Architect Certification – Aug 2022