

Osagie Eboigbe - Data Engineer

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Professional Summary

Experienced Data Engineer with expertise in designing, building, and maintaining scalable data pipelines and infrastructure. Proven ability to collaborate with data scientists, analysts, and software engineers to optimize data processing, storage, and retrieval. Skilled in data modeling, ETL processes, and big data technologies to develop robust and reliable data solutions.

Key Responsibilities

- **Data Pipeline Development:** Designed and maintained scalable data pipelines using tools such as Databricks, Python, and PySpark.
- **Data Modeling:** Optimized data models and schemas for efficient storage, retrieval, and analysis of structured and unstructured data.
- **ETL Processes:** Developed and automated ETL workflows to extract, transform, and load data into data warehouses and lakes.
- **Big Data Technologies:** Utilized Spark, Kafka, and Flink for distributed data processing and analytics.
- **Cloud Platforms:** Managed data solutions on AWS and Azure, leveraging cloud-native services for data storage and processing.
- **Data Quality and Governance:** Implemented data quality checks and governance policies to ensure accuracy and compliance.
- **Monitoring and Optimization:** Monitored data pipelines, optimized for scalability, and troubleshoot data-related issues.
- **DevOps:** Built CI/CD pipelines, committed code to version control, and deployed data solutions.
- **Collaboration:** Worked with cross-functional teams to define data architectures and deliver data-driven solutions.
- **Documentation:** Created and maintained technical documentation for data architecture, ETL workflows, and systems.

Professional Experience

Data Engineer, Octave Analytic, Lagos, Nigeria

January 2023 – Present

- Designed AI systems for efficiency and reliability in data processing.
- Conducted R&D in emerging technologies, improving data solutions and systems.
- Integrated AI algorithms to automate data analysis and machine learning tasks.

Research Data Scientist, Muster Data Limited, Lagos, Nigeria

November 2018 – December 2022

- Developed data warehousing techniques to enhance usability for non-technical staff by 20%.
- Used Google Cloud Platform and Microsoft Azure for machine learning deployments.
- Performed regression analysis to predict company performance and market trends.

Education

Master of Science in Financial Engineering

Worldquant University, New Orleans, USA

October 2019

CGPA: 87%

Bachelor of Chemical Engineering

University of Benin, Benin, Nigeria

December 1998

Certifications

- Microsoft Certified: Azure AI Engineer (July 2022)
- AWS Solution Architect (August 2022)
- Machine Learning and Statistical Analysis II (June 2019)
- Scientific Computing and Python for Data Science I (April 2019)

Technical Skills

- Data Engineering: Python, SQL, Databricks, PySpark, Apache Spark
- Big Data: Hadoop, Kafka
- Cloud Platforms: AWS, Azure, GCP
- Data Modeling: Relational and dimensional modeling, Data lakes, Lakehouses
- ETL Tools: Apache Airflow, Informatica, Talend
- DevOps: CI/CD, Version control (Git)
- Other: Data Quality, Governance, Agile & DevOps, Unix Scripting, R Language