



David Asogwa

Middle Data Engineer

SUMMARY

Data Engineer with extensive experience in developing data-driven solutions, leveraging Python, SQL, and ETL/ELT methodologies. Proven track record in optimizing data pipelines and implementing large-scale data warehouses, evidenced by the successful analysis of AirBnB rental prices and product sales strategies. Skilled in Big Data technologies like PySpark, Databricks, and MongoDB, as well as report generation and visualization using Power BI. Holds professional certifications from DataCamp and Microsoft, demonstrating a strong foundation in data fundamentals and Azure services. Played a pivotal role in deploying an LLM powered chatbot at Cisco. Contributed to an increased efficiency and automated processes as a freelance engineer, bringing innovative solutions that enhance operational performance.

TECHNICAL SKILLS

Main Technical Skills	Python (4 yr.), SQL/NoSQL (3 yr.), Databricks (3 yr.), Big data (3 yr.)
Programming Languages	Python (4 yr.)
.NET Platform	Azure
Data Analysis and Visualization Technologies	Big data (3 yr.), Databricks (3 yr.), Data Modelling, LucidCharts, Power BI
Databases & Management Systems / ORM	Database Design, Microsoft SQL Server, PostgreSQL, Snowflake
Cloud Platforms, Services & Computing	Azure, GCP
Amazon Web Services	AWS EC2
Azure Cloud Services	Databricks (3 yr.)
Deployment, CI/CD & Administration	CI/CD, Jenkins
Version Control	Git, GitHub

WORK EXPERIENCE

Data and Software Engineer, Cisco

Duration: July 2023 - Present

Summary: Participated in LLM powered chatbot development, performing data and software engineering tasks, MongoDB data modeling, and deployment in AWS.

Responsibilities: Collaborated on backend and UI integration, database management, deployment, and developed efficient answer retrieval for the SQL retriever module.

Technologies: FastAPI, MongoDB, AWS, Python, Gradio UI, RapidAPI, Selenium, SQL

Data Engineer/Analyst, Upwork

Duration: October 2022 – June 2023

Summary: Automated and built workflows using Python, No/Low code platforms, and orchestrated web scraping, data warehousing using Microsoft Azure and Databricks to drive business insights.

Responsibilities: Built business workflows, orchestrated web scraping and Data Warehouse pipelines, created KPI dashboards for business questions and growth.

Technologies: Python, SQL, Databricks, Microsoft Azure, Power BI, Excel

Control Systems Engineer Intern, GE Power

Duration: August 2022 – September 2022

Summary: Developed and deployed a Python script for translating Gas Turbine alarm messages and designed a new HMI software monitor, incorporating software design and database management tasks.

Responsibilities: Managed software design, scripting for translation of alarm messages, and monitored database management for testing Gas Turbine alarm systems.

Technologies: Python, Google Translate API, Bing API, regex, MS SQL Server, GE Cimplicity

Team Lead Financial Transactions and ATM Custodian, First Bank of Nigeria

Duration: November 2019 – November 2020

Summary: Addressed customer needs in setting up mobile banking, managed financial transactions and ATM custodianship, including dispute resolution.

Responsibilities: Ensured transactional issues resolution, maintained cash availability in ATMs, led dispense error disputes management, and handled finance-related customer service.

Technologies: CRM, Finacle System

R&D Engineer, LIEPDNES, UNN

Duration: July 2017 – July 2019

Summary: Developed a solar-powered car battery charger and automated transfer switch with embedded microcontroller, interacting with vendors and supervising bachelor's degree projects.

Responsibilities: Managed the design, development, and prototyping of electrical products and supervised academic projects with senior lecturers.

Technologies: DC-DC Converters, Microcontrollers, Solid-state Devices

EDUCATION

• M.Sc. Embedded Robotics

March 2021 – July 2022



- **B.Engr. Electrical Engineering**
August 2012 – July 2017

CERTIFICATION

- **DataCamp Certified Professional Data Analyst**
March 2023
- **Microsoft Certified Azure Data Fundamentals (DP-900)**
March 2023
- **Microsoft Certified Azure Fundamentals (AZ-900)**
February 2023

