

# 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

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

