

# Oluwanifemi Aweda, (BIDA)<sup>™</sup>, (FMVA)<sup>®</sup>

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## SUMMARY

As a multifaceted professional in the fields of data analysis, software engineering, and data engineering, I thrive on navigating complex challenges and finding innovative solutions. With a solid foundation in computer science, I excel at understanding intricate technical concepts and translating them into actionable insights for business growth. My passion lies in unraveling the potential of data to drive informed decision-making and fuel organizational success.

## SKILLS

**Languages:** Python (fastAPI, flask, data science), SQL, R, Javascript (loopback, node, express), TypeScript.

**Technologies:** Linux, AWS, Postgresql, APIs, Google Cloud Platform, GitHub, Git, Bit Bucket, MongoDB, Scikit-Learn, Spreadsheet, Microsoft SQL Server, BigQuery, Tableau, PowerBI, Grafana, Prometheus, ETL (Extract, Transform, and Load), Exploratory Data Analysis (EDA), PySpark, Airflow, Azure Data Studio, Amazon Quicksight, Google Data Studio.

**Soft Skills:** Excellent communication, presentation, organizational, problem-solving, critical thinking, creativity, decision making and analytical skills.

## WORK EXPERIENCE

### Data Engineer

November 2022 - Present

**Betty** – Lagos, Nigeria (Remote)

- Collaborated with stakeholders to develop and maintain data dictionaries and data models, enabling efficient data analysis and reporting (using Confluence).
- Conducted user analysis, cohort retention analysis to identify patterns and trends in customer behavior (using SQL, Python, Amazon RDS and Amazon Quicksight).
- Designed and implemented ETL processes to extract, transform, and load data from multiple sources, resulting in a 25% reduction in data processing time and improved data accuracy (using SQL, Python, Airflow)
- Enhanced AWS utilization by monitoring and tuning performance constantly, ensuring optimal application availability and performance.
- Designed and implemented scripts to automate data processing and data quality checks, resulting in a 40% reduction in manual data processing and improved data accuracy (Using Python, SQL, Airflow).
- Designed and implemented data models, databases, and data warehouses for data storage and analysis in the cloud.

### Software Engineer (Backend)

July 2021 - Present

**Arnergy** – Lagos, Nigeria (Remote)

- Continuously optimize the performance and scalability of backend systems to ensure high availability, fast response times, and reliability while utilizing advanced Python and Javascript design principles.
- Troubleshoot and debug issues in backend systems, identify root causes, and implement effective solutions (using Javascript, Python, TypeScript).
- Work closely with cross-functional teams, including frontend developers, product managers, and designers, to ensure seamless integration of backend systems with frontend applications.
- Developed and integrated secure, robust, and dependable web application using the FastAPI and flask web framework and REST API structures.
- Improved payment efficiency and issue tracking by over 80% through the implementation of a payment gateway, auto billing module, EMS board remote device update gateway, and internal dashboards for device monitoring.
- Implemented an onboarding solution for new hires and customers to ensure they understand the business and processes and how systems work, increasing onboarding efficiency by over 94%.

### Business Intelligence Data Analyst

June 2022 - Present

**Arnergy** – Lagos, Nigeria (Remote)

- Developed dashboards, reports, and polished presentations highlighting findings and making recommendations based on current business intelligence data (using SQL, Power BI, Excel, and Python).
- Provided business intelligence and analytics expertise across multiple layers of the company's business portfolios; Operations monitoring, Solution design, Solution optimization, and periodic reporting for each of the functional energy installations to all customers.
- Created automated data pipelines, ETL processes and cron jobs using python, typescript and SQL for a more structured data centralized storage while refactoring older pipelines for space, time, and robustness optimization resulting in a 90% cutback of work hours.
- Implemented data tracking systems to better monitor and analyze system usage and management (using Prometheus, Grafana and python).

- Delivered valuable insights and enhanced management's decision-making capabilities by establishing and implementing well-detailed interactive storytelling (using SQL, PowerBI, Tableau, and Python) to improve decision-making.
- Conceptualized a credit-score self-service application that used APIs from the government and banks to determine repayment plans and credit scores for new customers, improving their signup and verification by 70%.

#### **IT Specialist/Programming Instructor (NYSC)**

**April 2021 - March 2022**

**Ministry of Innovation, Science and Technology** – Osun, Nigeria

- Designed and executed user training materials and in-house training for internal staff and incoming interns on data analytic tools and processes.
- Curated strategic plans, SOPs, business processes and guidelines to improve IT services and new business tools.
- Instructed interns on programming concepts (Python, SQL Server, Data Science, and Data Analytics).
- Fostered team collaboration between interns through group projects resulting in a 75% retention rate of interns.
- Evaluated and revised lesson plans and course content to achieve intern-centered training.

#### **Product and Experience Designer**

**January 2021 - April 2021**

**BROOT Consulting** – Lagos, Nigeria (Remote)

- Effectively carried out user research through targeted interviews and extensive usability testing, market research and analysis (using Excel and Python) to improve system design and customer experience before and after design.
- Collaborated with management and stakeholders on multiple functions including requirements gathering, presentations, and research.
- Created Personas, user stories, user journey maps, storyboards, and wireframes to identify and address user experience challenges and solutions and for the design of new products (using Figma).
- Led cross-functional teams in gathering requirements for the development of innovative user interface design, graphics optimization, navigation, site layout and usability design.
- Project managed the development and ownership of the interface from concept to implementation by turning requirements into user flows and visual mockups.

#### **EDUCATION**

**Babcock University** – Ogun, Nigeria  
B.Sc., Computer Science

**September 2016 – June 2020**

#### **CERTIFICATIONS**

<b>WorldQuant University</b> <a href="#">Applied Data Science Lab</a>	<b>March 2023</b>
<b>Corporate Finance Institute® (CFI)</b> <a href="#">Business Intelligence &amp; Data Analyst (BIDA)™</a>	<b>September 2022</b>
<b>Corporate Finance Institute® (CFI)</b> <a href="#">Financial Modeling &amp; Valuation Analyst (FMVA)®</a>	<b>September 2022</b>
<b>Google (Coursera)</b> <a href="#">Data Analytics Professional Certification</a>	<b>June 2022</b>
<b>WorldQuant University</b> <a href="#">Applied Data Science II: Machine Learning &amp; Statistical Analysis (with honors) 2020</a>	<b>December 2020</b>
<b>WorldQuant University</b> <a href="#">Applied Data Science I: Scientific Computing &amp; Python (with honors) 2020.</a>	<b>September 2020</b>