

Charles Nwoye

charlesnwoye2@gmail.com | linkedin.com/in/charles-nwoye | github.com/jekwulum

EDUCATION

Nnamdi Azikiwe University

Awka, Anambra

Bachelor of Engineering in Electronic & Computer Engineering

2023

EXPERIENCE

Software Engineer

2023 - Present

UnykEd

California

- **Software Design & Development:** Coordinated the design and implementation of database models and entire software system architecture paying meticulous attention to detail to ensure optimal performance
- **Cloud/DevOps:** Architected cloud infrastructure solutions on Microsoft Azure, resulting in a significant reduction in API response time; improving overall application performance

Software Engineer

2022 - 2023

truQ Dynamic Services

Lagos

- **RESTful APIs Integration:** Developed REST APIs using Django REST framework, Express.js, and MongoDB and PostgreSQL to store data
- **Testing:** Analyzed development requirements with jest, APITestCase, and APIClient to ensure a bug-free code
- **Continuous Integration and Development:** Consistently adding more features to both Frontend using React.js and TailwindCSS, and Backend using the Python Django REST framework and Node.js to improve overall platform usage

Software Engineer Intern

2021 - 2022

Upperlink Limited

Lagos

- Developed a job recruitment application using Node.js, MongoDB, and Agile Methodology; achieved an 85% optimal efficiency level
- Partnered with fellow interns to design web pages in a Game Review website with HTML, CSS and JavaScript for 100+ platform users

PROJECTS

Plumbit | *Python, Node.js, TypeScript, MongoDB, PostgreSQL, gRPC, Docker*

A Plumbing reservation system that allows users to book the repairs they need. After reservation, a plumber is shown their appointments in a dashboard along with the parts the plumber requires for the next day's repairs. It employs a number of microservices that includes the user, reservation, analytics, and notification services. Each containerized microservice queries a particular database, and communicates with other microservices and the API-Gateway via gRPC.

Sports Data Lake | *Python, Azure Blob Storage, Azure Synapse Analytics, SQL*

A data lake which utilizes a data pipeline for NBA sports analytics using Azure services. The pipeline fetches NBA player data from an API, stores it in Azure Blob Storage, transforms it from JSON to Parquet, and creates a query-able table in Azure Synapse Analytics. The data can then be queried and processed using any tool.

TECHNICAL SKILLS

Languages: Python, JavaScript, SQL (Postgres, MySQL), HTML/CSS, Bash-Scripting

Frameworks: React, Node.js, Flask, Django

Developer Tools: Git, Docker, Microsoft Azure, VS Code, PyCharm, DataGrip

Certifications

Microsoft Azure Developer Associate

2025