

Ifeanyi Kalu

Software Engineer

+234-8038332609 | kaluifeanyi00@gmail.com | [Linkedin](#) | [Github](#) | [Website](#)

EXPERIENCE

Agile Learning Institute

Jan 2024 – Present

Software Engineer

Remote

- Designed and implemented a blogging platform with full **CRUD functionality**, resulting in a **30% increase** in user engagement and content sharing.
- Contributed to the institute's **MongoDB schema manager** by developing a schema that optimizes data storage and retrieval speed by **40%**.
- Developed a **Flask API** for managing curriculum documents with comprehensive support for **GET, POST, and PATCH operations**, facilitating smooth data interactions and integrations with a backing **MongoDB** database.

Hng Tech

June 2024 – August 2024

Software Engineering Intern

Remote, Lagos NG

- Created a boilerplate for a NestJS application, which streamlined the setup process for new projects, resulting in a **50% reduction in development time** for team members.
- Implemented backend support for analytics charts in a FastAPI project, enabling data visualization for users, leading to a **15% improvement in user engagement** on the platform.
- Optimized database queries for a PostgreSQL database in a Node.js application, reducing query response times by **25%**, which **enhanced overall application performance**.
- Designed and implemented a notification feature in a Node.js application, enabling real-time alerts for users, which **enhanced user engagement by 20%** and **improved user retention** by providing timely updates.

Alx Africa

May 2022 – Nov 2023

Software Engineering Apprentice

Remote

- Developed a file management platform with user authentication, file uploads, and Redis caching using **Node.js, Express, MongoDB, and Kue**. Achieved **200% in QA reviews**.
- Developed a queuing system with **JavaScript, Redis, and Node.js**, attaining a flawless QA review score.
- Engineered and implemented advanced caching systems utilizing algorithms such as FIFO, LIFO, LRU, and LFU in Python. Achieved a **200% QA review score** by effectively demonstrating proficiency in diverse caching strategies and their optimal use cases.

EDUCATION

Alx Africa

Nigeria

Diploma, Software Engineering

May. 2022 – Nov 2023

Federal Polytechnic Nekede

Owerri, Nigeria

Public Administration and Management

Sep. 2010 – Aug. 2014

SKILLS

Programming Languages:

JavaScript, TypeScript, Python, C, SQL, Bash

Web Development:

- Front-End: HTML, CSS, JavaScript, JQuery, React.js, Storybook, Next.js.
- Back-End: Node.js, FastAPI, Flask, Django, Express.js, Nestjs

Database Management:

- SQL: PostgreSQL, MySQL, MongoDB - ORM: Sequelize, SQLAlchemy - Cloud: Supabase, AWS

DevOps & CI/CD:

- Jenkins, Docker, GitHub Actions, Railway, Vercel, VPS, Nginx, Fabric, Systemctl

Testing & Documentation:

- Jest, Mocha, Chai, PyTest, Swagger, API Documentation

Tools & Environments:

- Version Control: Git, GitHub, Docker, VSCode, Vim, Postman.

Soft Skills:

- Problem-Solving - Team Collaboration - Agile Development - Communication