

Ukeme Edet

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EDUCATION

University of Lagos

Bachelor of Science in Computer Engineering

Lagos, NG

Nov. 2021 – Present

ALX Africa

Software Engineering

Lagos, NG

Sep. 2023 – Jan 2025

EXTRACURRICULARS

Secured 3rd place in Nigeria at IEEEExtreme 18 (2024), demonstrating exceptional programming proficiency

Earned 3rd place in DevSprint twice (2023 & 2024), highlighting consistent problem-solving excellence

Attained Specialist rank on Codeforces (1505 peak rating), placing in the top 20% globally

EXPERIENCE

Intern Backend Engineer

Codebase Technologies

Mar. 2025 – Present

Lagos, NG (Remote)

- Built and tested 10+ RESTful API endpoints in .NET for reliable data exchange.
- Reduced development cycles by 30% and boosted API performance by 25% through strategic ASP.NET package integration, improving both developer efficiency and user experience.
- Managed production deployment of public API endpoints, gaining hands-on experience with high-availability systems.

Backend Engineer (volunteer)

TEDxMaitama

Aug. 2024 – Sep. 2024

Abuja, NG (remote)

- Architected key Flask endpoints comprising 70% of the backend infrastructure, supporting 2,000+ conference attendees.
- Partnered with lead backend engineer to optimise API integration and strengthen platform stability.
- Diagnosed and resolved critical backend issues, improving system reliability by 15% and preventing high-traffic disruptions.
- Authored comprehensive API documentation (OpenAPI 3.0) that streamlined new developer onboarding by 30% and simplified future maintenance.

PROJECTS

Waiter – Custom HTTP Server in Go | Go, Linux

Jun. 2025 – Jun. 2025

- Built a low-level HTTP server using Go's net packages, implementing core features like path routing and request parsing without external frameworks
- Engineered for high performance, achieving a 100% success rate and over 26,000 requests per second in stress tests
- Demonstrated efficiency with an average response time of 5.9ms (for 10k requests) and 37.4ms (for 100k requests), handling concurrent connections with goroutines
- Designed a modular, testable codebase (271 lines of Go) with comprehensive documentation for future expansion

Whispers | Python, Flask, MySQL, SQLAlchemy

June 2024 – Sep. 2024

- Crafted comprehensive API documentation using OpenAPI 3.0, reducing team onboarding complexity by 30% and improving overall productivity.
- Built a Flask-based backend with enhanced scalability to handle 50% user traffic surges while maintaining peak performance.
- Optimised MySQL operations, boosting query response times by 40% and data throughput by 20%.
- Led frontend-backend integration, increasing deployment efficiency by 25% through collaboration

TECHNICAL SKILLS

Languages: Python, C/C++, SQL (Postgres), JavaScript, TypeScript, Java, C#, Go

Frameworks: Node.js, Flask, Pytest, .NET, FastAPI, Express, Angular, Tailwind

Server Technologies: NGINX, Linux, Ubuntu, Bash, Azure, Git, Docker, MySQL, MongoDB, Redis

Misc: Functional Programming, Object Oriented Programming, Algorithms, Data Structures, Test-Driven Development, Digital Logic Design