

Ukeme Edet

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PROFESSIONAL SUMMARY

Computer Engineering student focused on scalable backend infrastructure. Expertise in building high-performance systems (Go, Python, C++) and debugging live production environments. Passionate about system reliability with a strong foundation in networking.

EDUCATION

University of Lagos

Bachelor of Science in Computer Engineering

Lagos, NG

Feb. 2022 – Present

Relevant Coursework: Functional Programming, Object-Oriented Programming, Algorithms, Data Structures, Machine Learning

Cisco Networking Academy

Networking Basics

Online

Completed Oct. 2025

Skills Gained: IP Addressing (IPv4/v6), LAN/WLAN Configuration, Routing, DHCP, Network Troubleshooting

ALX Africa

Software Engineering

Lagos, NG

Sep. 2023 – Jan 2025

Core Focus: Low-Level Programming (C), Python, System Engineering, Data Structures & Algorithms

EXPERIENCE

Intern Backend Engineer

Mar. 2025 – Jun. 2025

Codebase Technologies

Lagos, NG (Remote)

- Developed and stress-tested 10+ RESTful API endpoints in .NET, boosting API performance by 25% through strategic package integration.
- Managed the full deployment lifecycle of public API endpoints to production, gaining hands-on experience with high-availability systems and live debugging.
- Reduced development cycles by 30% and improved both developer efficiency and user experience.

Backend Engineer (volunteer)

Aug. 2024 – Sep. 2024

TEDxMaitama

Abuja, NG (Remote)

- Diagnosed and resolved critical backend issues, improving system reliability by 15% and preventing service disruptions during peak traffic for 2,000+ attendees.
- Architected and implemented core Flask endpoints comprising 70% of the backend infrastructure, ensuring platform stability and scalability.
- 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, TCP/IP

- Engineered a low-level HTTP server from scratch, demonstrating a deep understanding of internet service architecture and TCP/IP networking fundamentals.
- Implemented concurrent request handling using goroutines and achieved a 100% success rate under a load of over 26,000 requests per second in stress tests.
- Delivered a modular 271-line codebase with detailed benchmarks (5.9ms avg for 10k requests), built for high-throughput and scalability in a Linux environment.

Custom Regex Engine (Grep) | C++

- Developed a foundational text-search tool in C++ from scratch, implementing core regex features like character classes, quantifiers, and backreferences without external libraries.
- Optimised for performance with efficient pattern matching algorithms, showcasing mastery of low-level string processing and memory management.

EXTRACURRICULARS

Secured 3rd place in Nigeria at IEEEExtreme 18 (2024), demonstrating exceptional Data Structures & Algorithms proficiency.

Placed 3rd in DevSprint twice (2023 & 2024), highlighting consistent problem-solving ability.

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

TECHNICAL SKILLS

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

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

Infrastructure & Tools: Linux, Docker, NGINX, Git, Azure, Bash, MySQL, MongoDB, Redis