

Geitodyu Henrique Crusoe

Software Engineer

Kampala, Uganda — +256744856915 — crusoehenrique3@gmail.com

 LinkedIn —  Portfolio —  GitHub

Professional Summary

Full-stack software engineer with expertise across multiple technology stacks, specializing in building scalable distributed systems and fintech solutions. Experienced in Go, TypeScript, Node.js, and Python, with a strong focus on creating robust backend services, cross-platform mobile applications, and modern web interfaces. Proven track record of developing impactful technology solutions for African markets.

Technical Skills

Languages & Frameworks: Go, TypeScript, Node.js, Python, React Native, Next.js, GraphQL

Backend & Infrastructure: RESTful APIs, Microservices, PostgreSQL, MongoDB, Redis, Message Queues

DevOps & Tools: AWS, Docker, Kubernetes, CI/CD, Git, Swagger, Jira, Agile

Professional Experience

Frontend Lead Developer — Spark Solutions Inc., Liberia (Remote) Dec 2024 - Present

Started as Frontend Developer, rapidly promoted to Lead within a month for exceptional performance. Leading development team delivering high-quality solutions for US-based clients through Sclean Lab partnership. Successfully completed two major projects using React/TypeScript and Next.js.

Backend Engineering Intern — HNG Internship, Nigeria June 2024 - August 2024

Selected participant in prestigious Nigerian tech internship program, specializing in backend development, mobile engineering, and DevOps practices.

Founder & Technical Lead — Phoenix Hub Liberia, Inc. Jan 2022 - Mar 2023

Built and launched a full-stack eCommerce platform enabling local businesses to establish their digital presence in the Liberian market. Increased revenue from \$400 to \$6000+ in one year.

Key Projects

- **X-Pay** (2025) – Developed a comprehensive payment aggregator platform using Go for core services, Next.js/TypeScript for admin dashboard, and React Native for mobile apps. Integrated multiple African payment providers, implementing features like wallet management, cross-border transfers, QR/NFC payments, and merchant services with real-time currency conversion.
- **Tick8-Plus** (2024) – Built a scalable e-ticketing platform using Node.js and MongoDB for core services, with a separate Go microservice handling AI-powered chat functionality and React Native mobile apps.
- **QuickCart** (2024 - ALX Award Winner) – Led development of a full-stack eCommerce platform using Node.js, MongoDB, and AWS, winning second place among ALX Cohort 18 final projects for its innovative approach to mobile commerce.
- **Sahara-Sprout** (2024) – Building an IoT-based smart irrigation system integrating ESP8266 microcontrollers, moisture sensors, and Node.js backend for automated agricultural water management.

Education & Certifications

B.Sc. Civil Engineering — International University of East Africa Expected 2025

Software Engineering Certificate — ALX Africa 2024

Notable Certifications: HNG Internship (Backend, Mobile & DevOps) - 2024, React Native Advanced Concepts - 2023