# HOPE IYAMU

Backend Software Engineer

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LinkedIn | GitHub

## PROFESSIONAL EXPERIENCE

**Software Engineer, Elite Software Automation** Nov 2023 – Oct 2026

- Built a production session-recording integration with direct-to-S3 uploads and AWS Lambda; hardened replay requests with timeouts, response limits and redirect rejection.
- Developed a typed TypeScript SDK for Everee worker, payable and payment APIs, including payment history and retry metadata.
- Built TypeScript/PostgreSQL calculation and reconciliation services, centralizing reporting across 41 weekly pay periods covering $1.8M in payroll and $2.1M in billing.
- Implemented reliable SMS workflows with idempotent sends, signed callback validation, worker fencing and bounded reconciliation.

**Full Stack Developer, Fiores Global** Feb 2023 – Nov 2023

- Built a campus web map for Hacettepe University with walking and cycling routes to help students find suitable paths.
- Built, migrated and optimized AWS infrastructure, adding Datadog metrics and monitoring to support application operations.

**Software Engineer, FNG Enterprises** Sep 2022 – Feb 2023

- Built Python/Django APIs for data-intensive applications, using pandas, Pytest integration tests and collaboratively designed database schemas.
- Developed TypeScript/Express APIs and React interfaces for web applications, with Jest unit tests.

## TECHNICAL SKILLS

**Languages:** TypeScript, JavaScript, Python, SQL, Bash.

**Backend and testing:** Node.js, Express, REST APIs, GraphQL, Django, Flask, Jest, Pytest, unittest.

**Data and delivery:** PostgreSQL, Redis, MySQL, AWS (Lambda, S3), Docker, Kubernetes, Jenkins, Git, Datadog.

**AI and machine learning:** OpenAI API; PyTorch and model evaluation through coursework.

**AI-assisted development:** Codex, Claude Code, Model Context Protocol (MCP).

**Leadership:** Technical delivery and peer code review.

## SELECTED PROJECTS

**LoreLoot — AI Research Agent** | Live demo | Source

- Built and deployed a Python/Streamlit AI research assistant as a personal project, combining ChromaDB retrieval, structured evidence checks and Tavily web-search fallback.

## EDUCATION

**Woolf University** | MSc, Artificial Intelligence 2025 – 2027 (expected)

**University of Benin** | BEng, Mechanical Engineering | CGPA: 4.1/5.0 2015 – 2019