Gift Nestah Prosperity

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Summary

Dynamic Software Engineer with 2 years of experience in Software development, specializing in Backend Engineering, AI Engineering, API design, development and integration. Proven ability to deliver high-quality software solutions and drive innovation through technology. Adept at collaborating with cross-functional teams to solve complex problems and enhance system performance.

Education

Jomo Kenyatta University of Agriculture and Technology, JKUAT — Juja, Kiambu
BSc. Computer Science · Second Class Honour - Upper division — Sep 2022 – Aug 2026

St. Joseph's Boys High School Kitale — Kitale, Trans-Nzoia
Kenya Certificate of Secondary Education, KCSE · Grade: A- (minus) 79 points — Jan 2018 – April 2022

Experience

First Advantage Consulting ltd — CPA Centre Thika Road Nairobi, Kenya
Software Engineer — Sep 2025 – Present

- Part of the development team designing system architectures and building systems for business solutions, enhancing operational efficiency.
- Architected system architecture to support scalable applications.
- Developed robust backend APIs to support various functionalities.

Pins To Planes Group — Mashiara Park Loresho Nairobi, Kenya
Software Developer Intern — May 2025 – July 2026

- Designed and developed an innovative business solution around automation to optimize business processes.
- Implemented business solutions around data management, admin dashboard and automation.
- Integrated messaging APIs including WhatsApp and Africa's Talking to enhance communication.
- Developed backend APIs to streamline application processes.

Skills

Backend: Python, Django, FastAPI, Java, Spring Boot, RESTful APIs

Frontend: Javascript, React JS, HTML, CSS

Databases: MySQL, PostgreSQL, MongoDB, ChromaDB

Devops: Git, Docker, CI/CD

AI & Automation : n8n Workflows, AI Models Integration, Automation Tools

Projects

NutriPepper RAG — https://github.com/PantheraNestah/nutripepper-rag
Python, FastAPI, ChromaDB, Sentence-Transformers, BM25, Cross-Encoder Reranking, OpenAI, Anthropic, Deepseek LLMs

Built a retrieval-augmented generation backend that grounds LLM answers in 810 chunks from WHO, FAO and Kenya Ministry of Health documents, using hybrid retrieval (dense search plus BM25 with reciprocal rank fusion) and cross-encoder reranking.

Added inline citations and an asynchronous NLI-based verifier that scores each response against its sources, with full provenance logging of every interaction.

Polluwatch — https://polluwatch.jhubafrica.com/
Python, ReactJS, Gemini-2.5

Developed a web-based Air Quality Monitoring System leveraging the Openweather API, providing real-time air quality data and forecasts for various locations, along with actionable insights for stakeholders.

Certifications

ALX Software Engineering ProDev Backend Development ALX Africa
https://savanna.alxafrica.com/certificates/rfcYZnp8J7 15th October 2025

Awards

Postman API Fundamentals Student Expert Postman - 10th July 2024
Postman Student Experts are proficient in the essential skills required for consuming APIs in Postman and applications.