

Tony Hopeson Kanyamuka

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Summary

Full-Stack Developer with 3+ years of experience(Freelance) building scalable mobile and web applications.Passionate about leveraging AI and machine learning to build smarter, more intuitive products.

Experience

Lead Frontend Developer | DigiMaxMw | Blantyre, Malawi (Hybrid) Feb 2024 – Sep 2024

- Led a team of 5 frontend developers in delivering Feexid & (contributed) Medix , cutting milestone delivery time by 30%.
- Established coding standards, automated testing and bi-weekly code reviews, raising code base maintainability by 40%.

Frontend Engineer | Threesix - Sana Cash N Carry | Lilongwe, Malawi (Onsite) Aug 2025 – present

- Architected and developed a high-performance frontend for a new Warehouse Management System, directly contributing to a **15% increase in warehouse operational efficiency**

Mobile Developer Intern | African to Silicon Valley (A2SV) | (Remote) Nov 2025 – present

- Designed the **Bazar** mobile UI/UX and Developed using **Flutter**, implementing clean, scalable architecture with **BLoC**, backend integration contributed to a **15% efficiency improvement**.

Projects

Feexid(SaaS) | Digimax

Tech Stack: Nextjs, MUI, PostgreSQL

- Developed a Next.js SaaS system with modules (CRM, inventory, sales, billing, employee, warehouse, orders,tasks projects), reducing manual coordination by **60%**.
- Automated quotation and invoice workflows, accelerating order processing by **40%**.

Medix(MASM Medi-Clinic - Health Insurance Company) | Digimax

Tech Stack: React

- Built healthcare platform supporting **100+** daily patient records across registration, diagnostic,lab, billing, and admin.
- Optimized SQL queries and caching to cut load times by **70%** (from 30s to 5s) and reduce data-entry errors by **80%**.

Mentora (AI Mental Health Companion) API | Fourth Year Project

Tech Stack: FastAPI, Langchain, Python, Postgres, Redis, Docker, Langchain, ChromaDB, JWT

- Engineered a high-performance backend using FastAPI, architected to handle **over 200 requests per second** and ensure 99.9% uptime for a scalable user experience.
- Constructed an intelligent therapist chatbot using Langchain and ChromaDB, enabling semantic search across **100+ mental health resources** and achieving response generation in **under 2 seconds**.

Ngamo (AI Powered Fact Checking Agent) API | Final Year Project

Tech Stack: Nextjs,Copilotkit,FastAPI, Langchain, Python, Postgres, Redis, Docker, Langchain, ChromaDB, JWT,Tavily

- Led a team of four to build a **real-time AI fact-checking system** capable of scraping information from the internet sources.
- Implemented **NLP pipelines** to extract key insights, verify claims, and **score sources for reliability** based on credibility, consistency, and authority.
- Developed an **aggregation engine** that consolidates highly scored sources into a final fact-checked report for improved accuracy.

Education

University of Malawi (UNIMA)

Bachelor of Science in Computer Science (Credit)

Sep 2019 – Jul 2025

Leadership & Extracurricular Activities

Vice Project Coordinator | Computing Society (COMSOC), University of Malawi(UNIMA)

2023 – 2024

- Coordinated 5+ society-led tech events and projects, increasing active member participation by **50%** across a community of over 100 students.

Skills

- Programming Languages:** Python,C++,Kotlin, JavaScript, TypeScript, Java, Swift, Go
- Frontend:** React, Next.js, React Native, Swift UI, Tailwind CSS, Vite, Framer, Shadcn/ui
- Backend:** Node.js, Express.js, FastAPI, Spring Boot, Convex
- Databases :** SQL, NoSQL, Mongodb, Postgres,Mysql
- Tools,Cloud & Platforms:** Git, Docker, Linux, Clerk, Appwrite, Supabase, OpenAI, AWS, CICD, Redux, Zustand