MAPALO KANYANTA

LUSAKA, ZAMBIA | mapalokanyanta1@gmail.com | +260 765 237 189

PROFILE

I am a software engineer with a Bachelor of Science in Computer Science (Software Engineering) from the University of Zambia. I build full-stack web and mobile applications with Python, JavaScript/TypeScript, React, Node.js, FastAPI and Flutter, and I specialise in AI-powered products built on the Google Gemini API. I have shipped production systems for clients and employers, and I design, build and deploy my own products end to end, from requirements to live release.

EDUCATION

Bachelor of Science in Computer Science – Software Engineering

University of Zambia | *Lusaka, Zambia*
2023 – 2026

Grade 12 School Certificate

Mukuba Secondary School | *Kitwe, Zambia*
2017 – 2021

EXPERIENCE

Software Developer **2025 – 2026**
FINDURA INFOSYS LIMITED

Developed websites and backends for client projects, engineering core features including Google Maps integration and admin dashboards that let customers manage their own website content. Built an administrative system for platform analytics and content management, keeping the solution secure and data driven. Also optimised front-end performance for mobile responsiveness, managed database migrations and maintained system stability, delivering a scalable, production-ready product.

Web Developer **2024**
(Freelance - Upwork)

Developed envotrack.com, a client web application built with Bubble.io, with user authentication, database management and a clean user interface. Strengthened skills in no-code development, client collaboration and delivering within deadlines.

Web and Mobile App Developer **2022 – 2025**
DYNASTY EMPIRE SOUNDS AND CREATIONS

Developed the company's mobile app and website for a feature-rich movie streaming platform, leading the end-to-end process from conceptualisation and design through to deployment. Beyond streaming, the platform hosted the DESAC / NAMA People's Choice Awards, giving the public one place to take part in the awards. Focused on robust functionality, reliable performance and an intuitive user experience across web and mobile.

PROJECTS

Socratic – AI Tutor | socratic.devkanyanta.me

Turns a student's course file into a personal AI tutor that teaches the course lesson by lesson by voice or text, using only that material, remembering where the student stopped and tracking progress per lesson.

FastAPI, PostgreSQL, React, TypeScript, Gemini (Live voice, embeddings), Docker

Lernopia – AI Study Assistant | sambilila.netlify.app

Converts students' notes into AI-generated flashcards and quizzes, with a study dashboard, shareable study sets, results tracking and a separate analytics server.

Next.js, React, PostgreSQL, Prisma, Gemini API, Cloudflare R2

Payroll System

Built a payroll system for an engineering company in Mufulira, Zambia.

ZamBus – Bus Ticket Booking

Intercity bus booking platform for Zambia connecting passengers, bus operators and conductors: seat reservation, mobile tickets with QR boarding, trip monitoring and PDF/Excel passenger manifests.

Flutter (Bloc), Node.js, Express, TypeScript, PostgreSQL

TECHNICAL SKILLS

- **Programming Languages:** Python, JavaScript, TypeScript, Java, Kotlin, Dart
- **Frameworks:** React, Next.js, Node.js, Express, FastAPI, Flask, Flutter, Spring Boot
- **Databases:** PostgreSQL, MySQL, MongoDB, Firebase
- **AI:** Google Gemini API (text, Live voice, embeddings)
- **Other Tools:** Git/GitHub, Linux, Docker, CI/CD

REFERENCES

- *Available upon request.*

Portfolio: https://devkanyanta.me
Github: https://github.com/devKanyanta