

PRECIOUS MPOSA

Software Engineer

CONTACT

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Lilongwe, Malawi
Open to Remote Global Roles

EDUCATION

B.E. Computer Science
Lower First Class Honours
DMI – St. John The Baptist
University, Lilongwe
2019 – 2024
Reg. No: 19311055014

CORE SKILLS

- Systems Architecture
- Full-Stack Engineering
- AI / LLM Integrations
- Data Analytics Platforms
- DevOps & CI/CD
- Mobile App Development
- API Design & Integration
- Product Strategy

TECHNOLOGIES

Python · TypeScript · JavaScript
Java · C++ · Rust
React · Next.js · React Native
Node.js · Express · Tauri
PostgreSQL · Supabase · Redis
Firebase · Neon
GCP · Docker · GitHub Actions
TensorFlow · DeepInfra · LLMs

PROFILE

Full-stack software engineer and systems architect with a B.E. in Computer Science (Lower First Class, DMI–St. John The Baptist University). Specialises in building AI-enabled platforms, business intelligence tools, and production-grade operational systems. Proven track record delivering complete software products — from architecture through deployment — for SMEs, non-profits, and startups across Malawi and beyond.

PROFESSIONAL EXPERIENCE

Systems Architect & Systems Administrator Aug 2025 – Present
F&N Business Consultants

- Architected and deployed multiple production systems supporting company-wide operations.
- Designed scalable digital infrastructure and implemented Docker + GitHub Actions CI/CD pipelines.
- Maintained 99%+ uptime across business-critical live platforms used by internal teams.

Technology & Operations Consultant Mar – Jun 2025
People Development Fund

- Built the organisation's website and full digital presence from scratch.
- Advised leadership on operational strategy and digital infrastructure planning.

Marketing, Sales & Technology Assistant Jan – Jun 2025
S&M Properties

- Digitised 500+ client records spanning 5+ years, creating the first structured digital archive.
- Designed digital data management workflows that eliminated paper-based processes.
- Coordinated social media campaigns contributing to ~20% revenue growth.

Technology & Operations Strategy Consultant Oct 2024 – Jan 2025
MTech Security Systems

- Contributed technology planning and infrastructure design during the company's founding stage.

IT Assistant Aug 2023 – Oct 2024
Adlib Executive Lodge

- Managed IT infrastructure, CCTV deployment, and operational technology systems.

KEY SOFTWARE PRODUCTS

MBiz SME business operations platform — finances, documents, clients, workflows. [Next.js · Node.js · PostgreSQL · Supabase]

SmartFarm Malawi AI agricultural management platform for smallholder farmers with crop advisory and analytics. [React Native · Python · TensorFlow · Firebase]

VidIntel Converts video content into transcripts, summaries, and actionable insights via LLM pipeline. [TypeScript · DeepInfra APIs · Next.js]

Deep Listen AI audio platform with stem separation and music learning using open-source models. [Python · TensorFlow · React]

BookWise Mobile app extracting key insights and action plans from books using AI. [React Native · LLM APIs · Supabase]

MaraviNest Housing discovery platform connecting renters and property owners across Malawi. [Next.js · PostgreSQL · GCP]

Practice Flow Desktop deep-work session manager with focus timers, logging, and analytics. [Rust · Tauri · TypeScript]

SELECTED CLIENT DELIVERIES

Stratex Pest Control Website + CRM **Kaliso Art Gallery** CMS gallery site **Inspyre Solutions**
Logistics website
Healing Piano Musician site + CMS **Paul Kachala Music** Artist site + admin **FreeWorship Malawi**
CMS + events **Dotaz Lounge** Café site + order system

References & GitHub/Portfolio available on request