

# 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

## REFERENCES

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**Mr. Solomon Kamanga**

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*GitHub/Portfolio available via the portfolio link on page 1.*