ALFRED MAVWU

SOFTWARE ENGINEER | ICT SOLUTIONS | DIGITAL SYSTEMS

Professional Capability Profile

Independent software and ICT professional based in Zambia.

PROFILE

Software engineer focused on practical web, mobile, backend and workflow systems.
I help organisations turn operational problems into maintainable digital tools and services.

CORE CAPABILITIES

- Web applications and business systems
- Mobile application development (Flutter)
- Backend APIs and database systems
- Workflow automation and internal tools
- Dashboards, reporting and operational software
- Systems integration and technical troubleshooting
- ICT systems assessment and practical consulting
- Deployment, release support and production debugging

CURRENT RESEARCH & OUTREACH

Conducting independent research into ICT systems, operational challenges and opportunities for digital improvement, with an initial focus on Livingstone, Kalomo and Choma.

HOW I WORK

Understand the real problem -> design a practical solution -> build -> test -> ship -> support.

TYPICAL ENGAGEMENTS

Custom software | Web/mobile builds | Integrations | Internal tools | Technical support
System improvement | Dashboards | Process automation | Short specialist projects

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Professional positioning

Software Developer building practical web, mobile and workflow systems.

Portfolio: www.mavwu.com
LinkedIn: linkedin.com/in/alfred-mavwu
GitHub: github.com/mavwu
Email: alfredmavwu@gmail.com

SELECTED WORK

Evidence of practical software delivery and independent product building.

RIDE YANGA

Software Developer / IT Personnel & CTO Assistant

Production ride-hailing, parcel, tourism and operations software across mobile, web and backend workflows.
Work includes feature delivery, APIs, notifications, troubleshooting, operations tooling and releases.

WORKSPACE

Phone-first student development workspace

GitHub-connected repository browsing, file editing, staged changes, commits, pushes and academic tools.
Designed around students who need practical development workflows from a phone.

CLASSREPORT ZM

School reporting and academic management product

Multi-tenant reporting concepts, assessments, attendance, grading boundaries and printable report workflows.

ICT SUPPORT & SYSTEMS WORK

Hands-on troubleshooting across Windows recovery, printers, networks, hardware faults and event support.

TECHNOLOGY

JavaScript / TypeScript | Node.js / Express | Next.js | Flutter / Dart | Python / Flask
PHP / Laravel | PostgreSQL | SQLite | Firebase | REST APIs | Git / GitHub

EDUCATION & CERTIFICATIONS

BSc Computer Science - Mulungushi University

Second Class, Upper Division

Huawei HCIA-Cloud Computing V5.5 | AI Technology & Application | HCIA-IoT V3.0

Available for:

Freelance software work | Technical collaboration | ICT/software consulting | Product development

www.mavwu.com | linkedin.com/in/alfred-mavwu | github.com/mavwu