

Alfred Mavwu CV

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GitHub: <https://github.com/mavwu>

Portfolio: <https://mavwu.github.io/>

CAREER OBJECTIVE

Computer Science graduate with hands-on experience in developing mobile and web applications using Flutter, Node.js and REST APIs. Passionate about building practical, user-focused systems that solve real-world problems. Demonstrated ability to design, develop and deploy applications with clean interfaces and efficient functionality. Seeking to contribute to scalable and impactful software solutions.

TECHNICAL SKILLS

- **Languages:** JavaScript, Dart, Python, Java
- **Mobile Development:** Flutter (Android apps, MVPs, PWAs)
- **Web Development:** HTML, CSS, JavaScript
- **Backend:** Node.js, Express.js
- **Database:** Firebase, SQLite, SQL, MySQL
- **Tools:** Git, API Testing, Debugging
- **Concepts:** REST API Integration, Responsive Design, System Design Basics, Real-time Data Handling

PROJECT EXPERIENCE

- **Stockflow – Inventory & Cash Management System (Progressive Web App)**
 - Developed a real-time inventory and cash flow management system for small business using Flutter and Firebase
 - Implemented stock tracking, sales recording, expense management and daily profit reporting features
 - Designed for practical business use with a focus on performance and usability
- **Climate Smart Agriculture APP (Flutter App)**
 - Developed a mobile application to assist farmers with weather insights and farming decisions
 - Integrated real-time weather data using APIs
 - Designed a simple and clear user interface for accessibility
 - Focused on practical use in local (Zambian) context
 - Explored a machine learning approach using Python for predictive recommendations; evaluated model performance and transitioned to a rule-based system for improved reliability
- **EZ Statement ZM (Flutter App)**
 - Built a mobile app to help students access examination statements
 - Designed for speed, accessibility and ease of use
 - Solved a common problem faced by students and parents

- **Blogging Platform (Full-Stack Web App)**
 - Developed a full-stack application using Node.js Express and SQLite
 - Implemented CRUD functionality for content management
 - Designed clean routing and structured backed logic
- **Public Profile Analyzer (Web Tool)**
 - Developed a tool to check username availability across platforms
 - Built using Python (Flask)
 - Focused on simplicity and efficiency

EDUCATION

- **Bachelor of Science in Computer Science - Mulungushi University (2021-2025)**

ADDITIONAL EXPERIENCE

- **Freelance Software Developer – Alfred Tech Services (January 2026 – Present)**
 - Design and develop websites and web applications for clients and personal projects
 - Gather requirements and deliver tailored digital solutions
 - Build response and performance-focused user interfaces
 - Handle full development lifecycle design, development, testing and deployment
- **Peer Academic & IT Support – on site Mulungushi University (March 2026 – Present)**
 - Provided technical support including software installation and system setup
 - Assisted students with presentations and academic tools
 - Diagnosed system issues and optimized performance
- **Peer Academic & Support – Alfred Tech Services (February 2024 – October 2025)**
 - Assisted with assignments, presentations and document formatting
 - Supported basic coding and debugging tasks
 - Performed software installation and system configuration
 - Troubleshoot hardware and software issues

CERTIFICATIONS

- HCIA-Cloud Computing V5.5 Course
- HCIA-IoT V3.0 Course
- Artificial Intelligence Technology and Application

SOFT SKILLS

- Problem Solving
- Communication
- Adaptability
- Team Collaboration
- Time Management

REFERENCES

Available upon request