Alfred Mavwu CV

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CAREER OBJECTIVE

Hardworking and reliable candidate seeking a position that allows me to utilize my skills, contribute to team success, and grow within the organization. I am eager to take on new challenges, collaborate effectively with colleagues, and make a meaningful impact while continuously developing my professional abilities and advancing my career.

EDUCATION

- **Grade 12 Certificate -** St. Raphael's Secondary School, Zambia. **(Completed: 2019**)

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

TECHNICAL SKILLS

- **IT Support:** IT troubleshooting, maintenance, Installing/updating software

- **Microsoft 365:** Word, PowerPoint, OneDrive, Excel, Teams

- **Operating Systems:** Windows installation, configuration and basic troubleshooting

- **Programming Languages:** Python, Java, Dart (Flutter) and JavaScript

- **Web & Application Development:** HTML, CSS, Flutter (Android), Node.js, Express.js as well as RESTful API development and integration

- **Databases & Data Management:** SQLite, Firebase, MySQL and Basic SQL concepts (queries, CRUD operations)

- **Tools & Development Practices:** Git (version control), API testing/debugging and Application design (testing and debugging)

SOFT SKILLS

- Strong communication and presentation skills

- Problem-solving and critical thinking

- Attention to detail and quality focused mindset

- Ability to explain technical concepts clearly to non-technical users

- Teamwork, adaptability and willingness to learn

PROJECTS

1. **Climate Smart Agriculture Mobile App** *(Final Year Project)* (**Flutter (Dart**), **REST APIs**, **Weather Forecasting APIs**, **ML concepts**)
    - Built an Android mobile app that fetches and displays weather data using **Flutter (Dart)**
    - Integrated real-time weather data using **RESTful APIs** for weather forecasting
    - Implemented local database storage for offline access
    - **Strengthened** API integration and mobile app development skills

2. **Blogging Platform** (**Node.js**, **Express.js**, **SQLite, HTML**, **CSS, JavaScript**)
    - Developed full-stack blogging platform with backend database integration
    - Implemented create, read, update, delete (CRUD) features
    - Designed and managed an SQLite database for content storage • **Strengthened** backend development and data handling skills

3. **Portfolio Website** (**HTML**, **CSS**, **JavaScript**)
    - Designed and deployed my personal portfolio
    - Showcases my projects, skills and contact info

- **Strengthened** frontend skills

4. Public Profile Analyzer (**Python**, **Flask**, **HTML**, **CSS**, **JavaScript**)
- Built a web application that checks username availability across multiple platforms
- Developed backend logic using Flask and handled HTTP requests and responses
- Implemented API-style communication between frontend and backend components
- **Strengthened** understanding of request handling and data processing

5. EZ Statement ZM Mobile Application (**Flutter** (**Dart**), **JavaScript**)
- Developed a flutter mobile application to help users access ECZ examination statements
- Focused on user-friendly design and application flow
- **Strengthened** mobile UI development and application logic

EXPERIENCE

Academic & IT Support (Informal/Freelance)

- Assisted fellow students, friends and family members with assignments and presentation creation using Microsoft Word and PowerPoint
- Provided guidance on document formatting, content organization, and presentation design.
- Explained technical concepts clearly and patiently to support learning.
- Provided guidance on coding practices and debugging during group assignments.

IT & Printing Support

- Assisted friends and family with software installation and configuration on personal computers.
- Installed and set up operating systems on PCs.
- Assisted with printing documents for students, troubleshot printer issues as they arose. Troubleshot basic system, software, and performance issues.
- Gained hands-on experience in basic IT maintenance.

CERTIFICATIONS

- **Artificial Intelligence Technology and Application – Huawei Academy**, 2024
- **HCIA-Cloud Computing V5.5 Course – Huawei Academy,** 2024
- **HCIA-IoT V3.0 Course – Huawei Academy,** 2025

REFERENCES

- Available upon request.