MAXWEL EPAPHRUS KHADAMBI

Software Developer | Full-Stack Engineer | Graphics Designer

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PROFESSIONAL SUMMARY

Innovative and results-driven Software Developer with a BSc in Telecommunication & Information Technology from Pwani University (2024) and an AWS Cloud Practitioner certification. I bring hands-on experience building and delivering full-stack enterprise systems under real-world pressures, with a deep passion for technology that solves meaningful problems. I am eager to contribute my skills in software development and design to a mission-driven team pushing the boundaries of what technology can do for people.

TECHNICAL SKILLS

- ✓ *Languages & Frameworks:* JavaScript (React, Node.js, Express), Python (Django), TypeScript, HTML5, CSS3, Bootstrap 5, Tailwind CSS
- ✓ *Backend & Databases:* PostgreSQL, REST API Design, Authentication & Role-Based Access Control
- ✓ *Cloud & DevOps:* AWS (Cloud Practitioner Certified), Git, VS Code, WSL/Windows
- ✓ *Design:* UI/UX Design Systems, SVG & Brand Identity Design, Graphic Design
- ✓ *GIS & Spatial:* ArcGIS, QGIS, Remote Sensing, Geospatial Data Management

PROFESSIONAL EXPERIENCE

Software Developer | Vihiga County Government — Vihiga, Kenya *Oct 2025 – Present*

- ✓ Built a full-stack Legal Case Management System for the County Attorney's office using Node.js, React, and PostgreSQL.
- ✓ Build a Procurement Supply Chain System featuring multi-dashboard approval workflows, document management, and 56 procurement categories.
- ✓ Designed a Supplier Registration Portal with role-based access controls and a seamless user experience for county procurement stakeholders.

Head of Information Technology | Africa Asia Middle East Chamber of Commerce (AAMECC) — Nairobi, Kenya *Apr 2024 – Aug 2025*

- ✓ Set up and operated AV and broadcast infrastructure for high-profile international webinars and live events supporting 500+ participants including camera systems, audio equipment, streaming platforms, and multi-device conferencing setups.

- ✓ Managed and maintained IT equipment inventory across 3 continents, coordinating asset records, maintenance schedules, and vendor relationships to achieve 99.9% system uptime.
- ✓ Provided technical support and troubleshooting to international staff, visiting delegates, and event participants, ensuring seamless communications across time zones.
- ✓ Led network security initiatives implementing access control and data protection protocols reducing security incidents.
- ✓ Maintained comprehensive filing systems for equipment records, correspondence, and IT activities; produced periodic technical and operational reports for leadership.

IT & Web Development Intern | Regional Centre for Mapping of Resources for Development (RCMRD) — Nairobi, Kenya *May 2022 – Nov 2022*

- ✓ Worked with ArcGIS and QGIS for geospatial data analysis and mapping projects.
- ✓ Gained practical experience in remote sensing, spatial data management, and GIS-driven reporting.
- ✓ Provided on-site technical support for the Regional ICT Conference (RIC 2022) setting up and managing AV equipment, delegate registration systems, and networking infrastructure for 300+ participants across multiple session rooms.
- ✓ Maintained and updated the RCMRD website serving 20+ African member states; administered internal geo-servers and database infrastructure in a research and education institution environment.
- ✓ Produced promotional visual content for international workshops and technical conferences.

EDUCATION

Bachelor of Science — Telecommunication & Information Technology | Pwani University — Kilifi, Kenya *Sep 2019 – Apr 2024*

- ✓ Core coursework: Telecommunications systems, electronics, signal processing, network architecture, computer programming, and IT infrastructure management.
- ✓ Studied Automation & Control Systems, building foundational knowledge in how mechanical and electronic systems are programmed to respond to real-world inputs directly relevant to robotic prosthetic design.
- ✓ Gained hands-on experience with Microcontrollers (Arduino), working with hardware-software interfaces that mirror the embedded systems architecture used in assistive robotics.
- ✓ Explored Internet of Things (IoT) concepts and sensor integration, applicable to the real-time data exchange that powers devices like Zerobionic's motorised prosthetic arm.

- ✓ Introduced to Artificial Intelligence and Machine Learning principles, including how models are trained to interpret input signals foundational to AI-driven sign language recognition systems.
- ✓ Completed a hands-on robotics project during undergraduate studies, applying microcontroller programming, sensor integration, and automation principles to a working prototype.

CERTIFICATIONS & PROFESSIONAL DEVELOPMENT

- ✓ AWS Certified Cloud Practitioner — Ajira Digital Program (AWS), 2023
- ✓ Web Development with Django & Python — eMobilis Institute, 2023
- ✓ AI Fundamentals & Prompt Engineering — ALX Africa, 2024
- ✓ IBM SkillsBuild: Digital Skills & Problem Solving — IBM, 2021

LEADERSHIP & VOLUNTEER EXPERIENCE

Youth Coordinator | Ministry of Repentance & Holiness — Nandi South, Kenya *2022 – Present*

- ✓ Planned and coordinated regional youth conferences and leadership development programs, managing logistics, communications, and multi-venue operations.

ICT Director | RHSF — Coast Region, Kenya *2022 – 2023*

- ✓ Led digital literacy and health awareness campaigns reaching 1,000+ young people across coastal Kenya.

IT Director | Alphatech Student Group, Pwani University — Kilifi, Kenya *2022 – 2023*

- ✓ Led internal IT support operations and organised tech workshops and hackathons for 200+ students.

LANGUAGES

English — Fluent (Written & Spoken) **Swahili** — Fluent (Written & Spoken)

REFERENCES

Three professional referees available upon request, with full contact details attached to the application.