

BRIAN MACHOKA MWAMBA

Software Developer · IT Systems Specialist · Web Applications Engineer

Nakuru, Kenya · +254 716 635 052 · machokabrian0@gmail.com · GitHub · Portfolio · pembahardware.com

Available for full-time, contract & remote roles · Open to relocation within Kenya

4+

Live deployed projects

4 months

Supreme Court IT attachment

Full-Stack

PHP · Python · MySQL · JS

PROFESSIONAL SUMMARY

Results-driven Software Developer with demonstrated ability to design, build and deploy production-ready web applications from scratch. Brings hands-on IT support experience from the Supreme Court of Kenya alongside five portfolio projects, four of them live, including a fully operational e-commerce and inventory management system. Proficient across the full development stack: PHP (Laravel), Python, MySQL and JavaScript. Equally comfortable configuring server environments, diagnosing network issues and writing clean, maintainable code. Committed to delivering solutions that are reliable, scalable and user-focused.

CORE COMPETENCIES

Full-Stack Web Development	Database Design	IT Helpdesk Support
System Administration	Network Troubleshooting	Agile Problem-Solving
cPanel & Web Hosting	Version Control (Git)	REST API Integration

PROFESSIONAL EXPERIENCE

IT Technician, Industrial Attachment

Sep 2023 – Dec 2023

Supreme Court of Kenya, Nairobi

- Provided Tier-1 and Tier-2 IT helpdesk support for 100+ judges, staff and administrative personnel, resolving hardware, software, printer and LAN issues daily.
- Deployed and configured 15+ new workstations: OS installation (Windows 10/11), software setup, network registration and user account creation.
- Assisted in deployment and ongoing maintenance of internal PHP web applications relied on court-wide for case management.
- Executed scheduled server monitoring and automated backup jobs, and assisted with data recovery procedures for critical court records.
- Compiled and maintained the IT asset inventory and documented SOPs, improving onboarding efficiency for incoming attachment students.

PROJECTS & PORTFOLIO

1. PembaHardware.com: Hardware Shop Management System [View live](#)

- Sole developer: architected the database schema, built all backend logic and designed a fully responsive Bootstrap front end.
- Key features: product catalogue, real-time stock tracking, sales recording, customer management and a secure admin dashboard.
- Business impact: enables the hardware shop to manage hundreds of SKUs digitally, replacing manual paper-based stock tracking.

Tech stack: PHP · MySQL · Bootstrap 5 · JavaScript · live on HostPinnacle (cPanel shared hosting)

2. Personal Developer Portfolio [View live](#) [GitHub](#)

- Responsive, mobile-first portfolio showcasing projects, technical skills and experience, deployed with continuous deployment.

Tech stack: HTML5 · CSS3 · vanilla JavaScript

3. Mwamba Logistics [View live](#) [GitHub](#)

- Built a responsive, mobile-friendly logistics company website, deployed live on Vercel.
- Source code managed with Git and published on GitHub.

Tech stack: HTML5 · CSS3 · JavaScript

4. Real Estate Website [View live GitHub](#)

- Built a responsive, mobile-friendly real estate website as a front-end project, deployed live on Vercel.
- Source code managed with Git and published on GitHub.

Tech stack: HTML5 · CSS3 · JavaScript

5. Online Employee Selection & Hiring System [GitHub](#)

- Built a full-cycle recruitment automation platform: job posting, online application, automated scoring, admin shortlisting and interview scheduling.
- Rule-based scoring engine significantly reduces HR manual review time for each hiring round.

Tech stack: PHP · MySQL · JavaScript · Bootstrap

TECHNICAL SKILLS

Languages	PHP (Laravel) · Python · JavaScript (ES6+) · HTML5 · CSS3
Databases	MySQL · SQLite: schema design, query optimisation, indexing, stored procedures
Frameworks	Laravel · Bootstrap 5
APIs & Integration	RESTful API design & consumption · JSON · form-to-email handlers
DevOps & Tools	Git & GitHub · Docker (basic) · XAMPP · VS Code · cPanel · phpMyAdmin
Web Deployment	cPanel shared hosting (HostPinnacle) · Netlify · Vercel · domain & DNS configuration
IT Support	Hardware diagnosis & repair · Windows 10/11 · Ubuntu/Linux CLI · workstation setup
Networking	TCP/IP · LAN/WAN · Wireshark · ping/traceroute · basic router/switch configuration
Soft Skills	Problem-solving · Self-directed learning · Attention to detail · Team collaboration

EDUCATION

Diploma in Software Engineering

Feb 2021 – Nov 2023

Zetech University, Thika Road Campus — Nairobi, Kenya

- Relevant coursework: web development, database systems, computer networking, OOP, system analysis and design, cybersecurity fundamentals.
- Capstone project: designed and built an Online Employee Selection & Hiring System with automated candidate scoring, receiving distinction-level feedback.
- Active member of the university tech club; participated in peer-led coding workshops.

CERTIFICATIONS & PROFESSIONAL DEVELOPMENT

- **Cisco CyberOps Associate** (Cisco Networking Academy): security monitoring, threat analysis, incident response, network intrusion detection.
- **Ongoing:** self-study in advanced Laravel, Docker containerisation and AWS Cloud Practitioner preparation.

LANGUAGES

English — Professional working proficiency | **Kiswahili** — Native / full professional proficiency

REFERENCES

Jacktone Kasale

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Full references and supporting documents available on request.