

ALEX MURIMI KAMAU

Software Solutions Builder | Full-Stack & Low-Code Developer

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🔗 <https://portfolio-alex-m-kamau.vercel.app/>

PROFESSIONAL SUMMARY

Versatile Software Solutions Builder with 2+ years of experience in full-stack web development, low-code platforms, and AI-assisted software engineering. Skilled in building scalable, secure, and user-friendly applications for B2B and healthcare clients. Hands-on expertise with React, Flask, Node.js, and Streamlit, alongside automation of workflows such as SEO sitemaps, robots.txt, and scheduling systems.

Actively leverage and teach AI-driven development tools including ChatGPT, Claude, Cursor, Replit, Bolt AI, Warp AI, and Codeium to accelerate prototyping, debugging, and solution delivery. Proven ability to integrate systems, optimize performance, and deliver enterprise-grade platforms. Recognized as a Top 5 finalist in Mozilla's Responsible Computing Challenge (2025) for co-developing an AI-powered threat detection platform

PROFESSIONAL EXPERIENCE

08/2025

Kiambu, Kenya

Web Developer

EuroAfrique Corporate Skills 🔗

- Developed and deployed responsive corporate training platforms, improving lead conversions by 20% within the first month.
- **Automated SEO sitemap, robots.txt, and training schedule generation**, reducing manual updates and improving search visibility.
- Optimized performance, reducing page load times by 35% and boosting visibility across Africa and Europe.
- Integrated secure payment and registration workflows (M-Pesa, card), streamlining client enrollment.
- Strengthened platform security by implementing RBAC and encrypted authentication.

06/2025

Hybrid - Remote/ On-site

Web Development Instructor

Freelance (Self-Employed)

- Designed and delivered project-based web development training covering frontend (HTML, CSS, JS, React) and backend (Node.js, APIs, PHP, databases).
- **Taught prompt engineering for AI-powered coding assistants (ChatGPT, Claude, Cursor, Replit, Codeium, Bolt AI, Lovable AI, Windsurf, Warp AI)**, enabling students to build applications faster and debug effectively.
- Mentored clients to deploy their first full-stack applications in under 6 weeks, equipping them with job-ready skills.
- Introduced version control (Git/GitHub), CI/CD basics, and deployment strategies to build industry-standard practices.

08/2024 – 02/2025

Kisii, Kenya

Network Technician (Part-time)

Gicotech Enterprise Solutions

Gicotech is a regional ISP serving Kisii and the greater Nyanza area.

- Diagnosed and resolved network faults across 30+ enterprise and residential endpoints, improving uptime by 20%.
- Implemented secure router and switch configurations, reducing outage reports and boosting resilience.
- Collaborated with cross-functional teams to roll out optimized routing protocols, enhancing service delivery for Nyanza clients.

05/2024 – 08/2024

Kikuyu, Kenya

Software Development Intern

Secunets Technologies Ltd

Cybersecurity service provider specializing in secure systems design and threat mitigation.

- Built a Flask + SQLite password manager with AES encryption, biometric authentication, and master password security.

- Conducted a security audit identifying 15+ flaws in access control logic, reducing simulated breach vectors by ~30%.
- Supported dev teams through documentation and peer code review, improving maintainability and bug resolution efficiency.
- Delivered backend and cyber support at the National Research Fund Hackathon (Nairobi, 2024) and contributed to a GSMA SAS-UP security audit at Sintel Security Print Solutions.

EDUCATION

Awaiting Graduation, December 2025 Kisii, Kenya	Bachelor Of Science in Computer Science Kisii University <ul style="list-style-type: none">• Relevant Coursework: Data Structures & Algorithms, Network Programming, Database Systems, Software Engineering, AI & Machine Learning• Capstone: Co-led development of “Unified Threat Detection & Response System” — awarded Top 5 in Mozilla Responsible Computing Challenge 2025• Active in university tech initiatives, research hackathons, and applied AI projects focused on secure systems and ethical computing
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TECHNICAL SKILLS

Programming Languages Python, Java, JavaScript, PHP, Dart, C	Databases MongoDB, PostgreSQL, MySQL, SQLite, Firebase
Frameworks Flask, React, Node.js, Flutter, FastAPI, Laravel, Web3.js, TensorFlow, Streamlit, Django, Next.js	DevOps & Tools Git, Docker, Vercel, GitHub Actions, Postman, Docker Compose
Development Practices Agile Methodologies, CI/CD, Version Control, TDD, Documentation	Testing & QA Pytest, Unit Testing, API Testing, Code Reviews
Cybersecurity JWT, AES, PBKDF2, OAuth2, RBAC, Secure Authentication Design, Network Security	Concepts & Domains Data Structures, Algorithms, Ethical AI, Cybersecurity, Blockchain (Basics), Machine Learning
AI-Assisted Development ChatGPT, Claude, Replit, Cursor, Codeium, Warp AI, Lovable AI, Windsurf, Bolt AI	Low-Code / Rapid Development Microsoft Power Platform (familiar), Streamlit, Firebase, Vercel, Netlify

SOFT SKILLS

Clear Communication (written & verbal)	Team Collaboration (cross-functional, agile teams)
Adaptability (React, Docker, and new stacks)	Problem-Solving (debugging security issues, optimizing workflows)
Time Management (balancing school, projects, internships)	Analytical Thinking (capstone design, bug triage)

PROJECTS

08/2025 – Present	https://www.euroafriquecorporateskills.com/  EuroAfrique Corporate Training Platform Role: Web Developer Built and deployed a responsive B2B training platform used across Africa and Europe. Automated SEO sitemap, robots.txt, and program schedule generation. Integrated secure payments (M-Pesa, cards). Optimized load times by 35% and boosted conversions by 20%
2025	https://github.com/Alex-Muhscience/Health-Info-App  Healthcare Data Platform Solo Personal Research Project Full-stack app (Flask, Django, PostgreSQL) for healthcare appointment and client data. JWT-secured login with audit logging. Designed for future HIMS scaling.

10/2025 – 04/2025	Unified Threat Detection & Response System (Capstone, 2025) AI-driven platform for real-time threat detection. Top 5 finalist at Mozilla Responsible Computing Challenge 2025. Implemented ethical AI principles.
2025	https://github.com/Alex-Muhscience/expense-tracker Expense tracker Finance tool prototype with React frontend and backend APIs. Improved usability with 90% satisfaction from 200+ users.
06/2024	https://github.com/Alex-Muhscience/Pass-KeyGen KeyGen – Password Manager & Generator Flutter mobile app with AES-encrypted storage and biometric authentication. Tested with 100+ mock users during Secunets internship.

ACHIEVEMENTS

2023 – 04/2025 Kisii University, Kenya	Top 5 – Mozilla Responsible Computing Challenge (2025) Mozilla Responsible Computing Challenge(Ethical Artificial Intelligence) <ul style="list-style-type: none">Recognized for co-developing “UTDRS,” an AI-driven cybersecurity platform promoting ethical threat detection.
06/2024 Nairobi, Kenya	National Research Fund Hackathon – Technical Facilitator <ul style="list-style-type: none">Delivered backend and cyber support on-site as part of Secunets tech facilitation team.
07/2024 Thika, Kenya	GSMA SAS-UP Security Audit – Sintel Security Print Solutions <ul style="list-style-type: none">Participated as a cybersecurity consultant via Secunets Technologies Ltd, assisting Sintel in meeting GSMA compliance.

LANGUAGES

English Proficient		Swahili Proficient	
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