

JOSEPH KAMAU MUTHIKE

Information Systems Developer | Full Stack Engineer

Kenya (GMT+3) • Open to Remote and Relocation

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Portfolio: josekamaa.github.io/portfolio/

PROFESSIONAL SUMMARY

I am a results oriented Information Science professional and Full Stack Developer with expertise in designing scalable database architectures and Information Management Systems. I have a proven track record in digitizing manual workflows, optimizing MySQL databases for performance, and ensuring regulatory compliance in their environments. I am skilled in PHP, JavaScript, and MVC Architecture, with a strong focus on data integrity and user centric design. I am actively seeking opportunities to leverage technical skills in data driven environments.

TECHNICAL SKILLS

- Languages & Frameworks: PHP, JavaScript (ES6+), Java, HTML5, CSS3.
- Information Systems & Databases: MySQL, SQL, Database Normalization, Query Optimization, RESTful API Design, CRUD Systems.
- Web Technologies: Responsive Design, WordPress Development, MVC Architecture.
- DevOps & Tools: Git, GitHub, Supabase, Vercel, Microsoft Office Suite.
- Core Competencies: System Analysis, Data Security Standards (NHIF/JICA compliance), Workflow Automation.

PROFESSIONAL EXPERIENCE

- Full Stack Developer (Intern) | Kimbimbi Level 4 Hospital Kirinyaga, Kenya | 2024

- System Architecture and Deployment: Engineered and deployed a comprehensive Health Information Management System (HIMS), successfully transitioning the facility from manual paper filing to a fully digital workflow.
- Database Optimization: Designed and optimized MySQL database schemas to handle complex patient data, significantly reducing data retrieval errors and improving query response times.
- Regulatory Compliance: Implemented strict data reporting standards compliant with NHIF (National Health Insurance Fund), KHIS, and JICA protocols, ensuring accurate statutory reporting.
- Workflow Automation: Analyzed clinical workflows to build custom modules that streamlined patient admission and treatment tracking.

KEY PROJECTS

- **KHIMS (Kimbimbi Health Information Management System)** Role: Lead Developer. I developed a scalable hospital management platform featuring module based architecture for patient records, pharmacy inventory, and billing. Focused on data security and role-based access control to protect sensitive patient information.
- **Agrovet & Inventory Systems** Role: Full Stack Developer. Built a robust inventory and sales reporting platform for agribusinesses ("Agrovet Systems" & "Daylight Collections"). Integrated real-time stock tracking and automated sales report generation to aid business decision-making.
- **Gitwa Farm Business Portal** Role: Frontend Developer. I designed a fully responsive business website utilizing modern UI/UX principles to enhance brand visibility and customer engagement.
- **My Day Application.** Role: Application Developer I created a social web application focused on user interaction and dynamic content management.

EDUCATION

Bachelor of Information Science (IT Major)

Kisii University | Completion: 2025

Focus: Information Architecture, Database Management, and System Analysis.

CERTIFICATIONS

- KUISSA Association Certificate

- Microsoft Office Specialist Certificate