

James Mwangi Gitere

Full-Stack Software Engineer | Nairobi, Kenya

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 [Linkedin](#)  [Github](#)  [Portfolio Website](#)

Professional Summary

Full-Stack Software Engineer with 3+ years of experience developing robust, secure, and scalable applications. Proven expertise in both front-end and back-end technologies including React, Node.js, Python, and system design. Specialized in building responsive interfaces, secure REST APIs with JWT authentication, and efficient database management. Experienced in CI/CD pipelines, DevOps practices, and banking/financial system integrations including M-Pesa.

Technical Skills

Programming Languages

JavaScript (ES6+), TypeScript, Python, C, SQL

Frontend Development

React, Redux Toolkit, HTML5, CSS3, Tailwind, Responsive Design, UI/UX Implementation

Backend & APIs

Node.js, Express.js, Flask (Python), REST APIs, JWT Authentication, API Security, SOAP/XML Integration, Paystack Integration, M-Pesa Integration ([Live Demo](#) | [GitHub](#))

Databases & Data Management

MongoDB, MySQL, PostgreSQL, Redis, Database Design, Query Optimization

DevOps & CI/CD

Git, GitHub Actions, Vercel, DigitalOcean, NGINX, Automated Deployment, Jenkins (learning)

System Architecture & Security

System Design, Microservices, Data Encryption, API Security, Linux Environment

Professional Experience

Full-Stack Developer – CIT Logistics Systems

Apr 2025 - Present

- Built end-to-end financial and logistics systems using Node.js, Express.js, MySQL, React, and Tailwind CSS
- Designed and implemented accounting systems for Bukhaavia Limited and CIT Logistics, automating financial processes and ensuring data integrity
- Developed secure back-end systems with robust authentication and authorization mechanisms
- Created responsive, user-friendly interfaces that perform across devices and browsers
- Collaborated with cross-functional teams to deliver scalable, maintainable solutions

Full-Stack Developer – Digital 4 Africa	Jan 2024 - Mar 2025
<ul style="list-style-type: none"> Architected and developed a full Learning Management System with admin dashboard and secure payment processing Built masterclass automation platform with Paystack and M-Pesa integration, handling financial transactions securely Implemented secure REST APIs with JWT authentication and data encryption for user data protection Developed responsive admin panels and user interfaces using React and Tailwind CSS Created AI-powered chatbot systems integrating OpenAI API with custom backend logic 	

Franchise Partner & Developer – Airtel Kenya (Jaymto Enterprises)	Jan 2022 - Dec 2023
<ul style="list-style-type: none"> Developed and deployed web-based internal reporting system (jaymto-enterprises.vercel.app), reducing manual reporting time by 70% through automation Built Python automation scripts for data parsing, performance analysis, and report generation Managed database operations and data flow optimization for business intelligence Led technical implementation while managing team operations and stakeholder communication 	

Featured Projects

Multi-Tenant Accounting System (*Next.js, Node.js, PostgreSQL, JWT Authentication*)

Secure, scalable accounting system with invoicing, financial reports, and multi-tenant architecture. Features robust data encryption and user role management.

 [Live Demo](#)

Learning Management System (*React, Node.js, Express, MongoDB, Paystack, M-Pesa*)

Learning platform with automated payment processing, secure API integrations, and real-time transaction handling. Demonstrates financial system integration expertise.

 [Live Demo](#)

Jepaks Academy & Admin System (*Next.js, Node.js, MongoDB, M-Pesa Integration*)

Comprehensive suite for learning management and administration with secure M-Pesa Paybill integration, role-based access control, and scalable backend APIs.

 [Live Demo](#)

ICIPE AI Chatbot System (*React, Node.js, OpenAI API, Express, MongoDB, Tailwind*)

Intelligent chatbot system with secure API integration, responsive interface, and efficient data handling. Demonstrates API integration and system design capabilities.

 [Live Demo](#)

Education & Certifications

Software Engineering (Backend Specialization)	Aug 2023 - Sep 2024
ALX Africa	

Hands-on experience in Python, C, Database Management Systems, System Architecture, Node.js, JavaScript, Deployment, and Software Development Lifecycle

Hospitality & Tourism Management

Aug 2016 - Jul 2021

Pwani University

Second Class Upper Division – Developed project management and stakeholder communication skills