

James Mwangi Gitere

Full-Stack Software Engineer | Nairobi, Kenya

✉ gitere.dev@gmail.com ☎ +254714584667

 [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

- 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

- 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