James Mwangi Gitere

Full-Stack Software Engineer | Nairobi, Kenya

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

About

Full-Stack Software Engineer specializing in scalable web applications and modern technologies. Proven ability to create user-centric solutions using React, Node.js, Python, and system design. Passionate about writing clean, maintainable code to solve complex business challenges.

Technical Skills

Programming Languages

JavaScript (ES6+), TypeScript, Python, C

Frontend

React, Redux Toolkit, HTML5, CSS3, Tailwind, Responsive Design

Backend

Node.js, Express.js, Flask (Python), System Design, REST APIs, JWT Authentication, Paystack Integration, M-Pesa Integration ([Live Demo](#) | [GitHub](#))

Databases

MongoDB, MySQL, PostgreSQL, Redis

Tools & System Design

Git, GitHub, Postman, Postmark, ElasticEmail

Cloud & DevOps

Cloudinary, DigitalOcean, NGINX, Vercel, GitHub Actions

Experience

Full-Stack Developer – Digital 4 Africa   Mar 2025 - Present

- Designed and implemented the architecture of [D4A Academy](#), a full-featured LMS built with React, Node.js, and MongoDB.

- Built responsive interfaces using React and Tailwind CSS to improve user experience for learners and administrators.

- Developed secure REST APIs in Express.js for user authentication, course management, enrollment, and payments.

- Created a full admin panel for content managers to manage courses and student enrollments.

- Integrated Paystack and Daraja API (M-Pesa) for seamless course purchases and automatic enrollments.

- Used Postmark for automated transactional emails including password resets and enrollment confirmations.

- Deployed the system with Cloudinary for media storage and ensured smooth, secure access in production.

Franchise Partner – Airtel Kenya (Jaymto Enterprises)   Jan 2022 - Present

- Developed a web-based internal reporting system (jaymto-enterprises.vercel.app) to automate sales data processing and analytics.

- Built backend automation scripts in Python to parse registration data, generate performance reports, and flag sales gaps.

- Reduced manual reporting time by over 70%, improving operational efficiency.

- Oversaw daily operations with focus on sales growth and team performance.

- Led sales for scratch cards and MiFi devices, driving consistent revenue growth.

- Supervised 7 sales reps, improving productivity and closing rates.

- Designed customer engagement strategies that boosted retention and feedback quality.

Featured Projects

Recipe Genius *(React, Node.js, Express, MongoDB, OpenAI API, JWT, Nginx)*
AI-powered platform that suggests personalized recipes based on user-input ingredients.

⊕ Live Demo   ⑂ GitHub

Professional Portfolio *(HTML, CSS, JavaScript, Node.js, ElasticMailAPI, PostmarkAPI)*
Responsive portfolio showcasing projects and skills.

⊕ Live Demo

Coworking Space Booking System *(React, Express, JWT, MongoDB, Tailwind)*
Full-stack app for booking coworking spaces with secure user authentication and a responsive UI.

⊕ Live Demo   ⑂ GitHub

BookSwap Connect *(Python, Flask, MySQL, JWT, WebSockets)*
Full-stack book exchange platform with user authentication.

⑂ GitHub

Education

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

Hands-on experience in Python, C, DBMS, System Architecture, Node.js, JavaScript, and
Deployment.

Hospitality & Tourism Management   Aug 2016 - Jul 2021
Pwani University

Second Class Upper Division

References

Eric Muturi

Senior Software Engineer, Digital 4 Africa

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