

John Mugendi Kimotho

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SUMMARY

Software Engineer with hands-on experience building and deploying full-stack web applications and backend systems. Experienced in designing RESTful APIs, implementing authentication and role-based access control, and developing scalable, production-ready solutions. Strong foundation in system design, data modeling, and solving real-world problems through clean, maintainable code.

WORK EXPERIENCE

Software Engineer (Project) - Tuner

Jan 2025 - Present

Tuner is a SaaS platform designed to help automotive garages manage jobs, mechanics, customers and operational workflows.

- Designed and built a production-grade SaaS platform using **Node.js, Express, MongoDB, and REST APIs** to manage job lifecycles, mechanic assignments, and customer records
- Developed secure backend services with **authentication and role-based access control**, supporting multiple user roles (OWNER, ADMIN, MECHANIC) and enforcing authorization rules
- Built internal dashboards and integrated frontend workflows using **React** to support reporting and daily operations, emphasizing maintainable APIs and clean system boundaries.
- Contributed to code reviews, mentoring junior developers, and fostering a culture of high standards

Software engineer (Project) - Edupay

Aug 2025 - present

EduPay is an education payment platform designed to manage student payments, financial records, and administrative workflows.

- Applied system design principles to build a scalable full-stack solution, integrating backend APIs with a **React** frontend and supporting future feature expansion.
- Modeled relational-style data structures and relationships using **MongoDB** to represent students, payments, and reporting requirements.
- Architected and implemented backend services using **Node.js, Express, and REST APIs** to manage student payments, records, and administrative workflows.

EDUCATION

Diploma, Software Engineering, GoMyCode Kenya

Mar 2024 - Dec 2024

- Built and shipped multiple full-stack web applications using modern JavaScript frameworks and REST APIs
- Collaborated in a team-based capstone project, contributing to backend logic, database design, and feature implementation
- Presented final project to instructors and peers during graduation demo day, explaining technical decisions and system architecture

ADDITIONAL SKILLS & INTERESTS

- **Tools & Platforms:** Git, Linux (Ubuntu), Cloud Deployment (AWS, DigitalOcean)
- **Databases:** Postgresql
- **Languages:** Go (Golang), Typescript
- **Frontend State:** Redux, Zustand
- **Development Practices:** Agile / Scrum