ISRAEL MUTUA MUSYOKI

Software Engineer | Web Developer

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SUMMARY

Software Engineer with 2 years of experience designing and developing full-stack applications across cloud and on-premise environments. Proficient in Flask, React, Node.js, MongoDB, PostgreSQL, and AWS. Strong foundation in operating systems, cybersecurity principles, and data structures, with a track record of delivering reliable, efficient, and secure software solutions.

EXPERIENCE

Junior Software Engineer

Context Experts Agencies

📅 07/2025 - 11/2025   📍 ruiru, kiambu

- Built and maintained RESTful APIs in Python/Flask used by internal teams to process client data and automate routine workflows.
- Developed interactive dashboards that improved reporting efficiency and helped supervisors track project progress in real time.
- Collaborated with senior engineers to design and implement new features for client-facing systems, ensuring clean, maintainable code.
- Integrated third-party services (authentication, maps, payments) into existing systems, improving overall platform capability.
- Wrote unit tests, documented workflows, and assisted in code reviews to maintain high development standards across projects.
- Troubleshot bugs and performance issues in production systems, improving uptime and response time for key applications.
- Assisted in deploying applications on cloud-based environments and maintaining CI/CD pipelines for faster, safer releases.

Web Developer

Kenya Institute of Project Management

📅 03/2023 - 07/2023   📍 Nairobi, Kenya

- Developed a full-stack Student Management System using Flask Python) for the backend and React for the frontend, enabling efficient student registration, attendance tracking, and performance monitoring.
- Designed RESTful API endpoints and integrated them with the React interface for seamless data flow across student and admin modules.
- Improved overall system performance by optimizing database queries and structuring efficient API responses.
- Implemented secure user authentication, role-based access, and session management, enhancing system reliability and data protection.
- Collaborated with other developers and IT staff to test, debug, and refine system features, ensuring smooth adoption by staff and students.
- Created documentation and provided basic training to users, enabling faster onboarding and easier system maintenance.

EDUCATION

Bachelor of Science in Software Engineering

Zetech University

📅 09/2022 - 11/2025   📍 Kiambu, Kenya

LANGUAGES

English
Native   ●●●●●

PROJECTS

Wazicop

Developed a corruption and crime reduction system:
https://wazicop-1-0.onrender.com/

AI Medical Diagnosis System

Developed an AI powered two facing medical recommendation system:
https://github.com/lul-prof/AI_Medical_Diagnosis_System

SKILLS

Programming & Scripting

Python   JavaScript   Node.js   SQL

C#   C   Java

Frameworks & Libraries

Flask   React.js   Express.js   Bootstrap

Tailwind

Databases

MongoDB   PostgreSQL   MySQL

Web Development

RESTful APIs

Authentication JWT/Session)

Responsive UI   JSON/XML

Web Security

mpesa and paypal integration

Soft Skills

Problem Solving   Teamwork

Communication   Documentation

Adaptability