ALVINE MUGO MUNGAI

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PROFESSIONAL SUMMARY

Full-stack developer skilled in both frontend and backend development using Python, Flask, React, and SQL. Experienced in creating scalable web applications with secure APIs and responsive interfaces to drive engagement and efficiency.

PROJECTS

Book Club App (Full Stack)

GitHub: [Link](#) |

- Created a platform for book lovers to organize and participate in virtual book clubs, improving user engagement by 40%.
- Utilized React for a responsive frontend and Flask for scalable backend architecture, ensuring a seamless user experience across devices.
- Enhanced platform usability through robust discussion forums and reading progress-tracking tools.
- Enhanced API response time by 30% through optimized queries in MySQL.

Net-Work: Local Job Board (Full Stack)

GitHub: [Link](#) |

- Increased job application efficiency by 30% for local businesses and job seekers through role-based dashboards.
- Built with React, React Router, and JSON Server to enable real-time updates and seamless navigation.
- Implemented messaging and notification systems, improving communication efficiency by 50%.

CAR WORLD MANAGEMENT SYSTEM (Frontend)

GitHub: [Link](#) |

- Reduced inventory tracking errors by 35% with an interactive web-based system to monitor product quantities.
- Delivered real-time low-stock alerts, enhancing inventory turnover by 25%
- Built using HTML, CSS, JavaScript, and JSON Server, ensuring accessibility across devices.

Asset Inventory Management System (Full Stack)

GitHub: [Link](#) |

- Centralized asset tracking for organizations, reducing asset mismanagement by 40%.
- Built with Flask, PostgreSQL, ReactJS, and Redux Toolkit, ensuring robust role-based permissions for security.

- Maintained over 85% test coverage using Jest and Minitests, ensuring reliability and scalability.

PROFESSIONAL EXPERIENCE

Freelance Full Stack Developer | Nairobi, Kenya
May 2024 – Present

- Delivered tailored web solutions for clients, resulting in a 40% boost in operational efficiency.
- Implemented technical improvements that reduced application downtime by 20%.
- Provided technical support, reducing downtime by 20% across deployed applications
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Software Testing & Debugging Intern | Algofed | Nairobi, Kenya
Nov 2024 – Feb 2025

- Assisted in identifying and fixing software bugs, improving application performance by 30%.
- Conducted rigorous manual and automated testing to ensure application stability.
- Documented and reported issues, streamlining debugging processes for development teams.

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EDUCATION

MORINGA SCHOOL
Full Stack Web Development Program
May 2024 – Nov 2024

UDEMY CERTIFICATION
Mastering MYSQL: Database Creation, Management & SQL Queries
November 12, 2024 - November 14, 2024

PLP Power Learn Project
Software Engineering Scholarship Program
Currently Enrolled

SKILLS

- Programming Languages: Python, JavaScript, TypeScript, SQLD
- Frameworks & Libraries: Flask, React, Next.js, Node.js, NestJS

- Databases: MongoDB, PostgreSQL, MySQL
- Development Tools: JSON Server, Docker, GitHub, Postman, Jest, Minitests
- Additional Skills: Agile Methodologies, Responsive Design, Test-Driven Development, RESTful APIs, Version Control, UI/UX Design
- Tools: Docker, GitHub, Postman