Emmanuel Makau

Machakos 90131
Nairobi
emmanuelmakau90@gmail.com
0793472960

LinkedIn
Website
GitHub

Dedicated Full-Stack Developer

Dedicated and passionate Junior Full-Stack Developer with expertise in creating responsive web applications using technologies such as React, Next.js 14, Django, SQL, MongoDB, and Python. Skilled in building scalable REST APIs, exploring machine learning with TensorFlow, and implementing DevOps practices like CI/CD for efficient software deployment. Known for solving challenges and delivering impactful software solutions.

Work Experience

Full-Stack Developer
Dedan Kimathi University of Technology
January 2024 – October 2024

- Built sports and club websites, leading to a 50% increase in event participation and a 30% boost in administrative efficiency.
- Developed and maintained software applications using C, Python, JavaScript, and TypeScript.
- Authored comprehensive technical documentation, including design specifications and API documentation.

Full-Stack Web Developer
Open Source Contributions
January 2024 – Present

- Enhanced code quality and collaboration by actively contributing to open-source projects through writing clean, maintainable code and collaborating with diverse teams.
- Improved accessibility, performance, and feature implementation across various applications.
- Gained in-depth technical knowledge by resolving real-world issues, debugging complex systems, and implementing scalable solutions.
- Fostered a deep understanding of coding best practices and teamwork in dynamic environments.

Projects

E-Commerce Site & Dashboard

- Designed and built a responsive e-commerce platform with product management, order tracking, and payment processing features.
- Technologies: Next.js 14, JavaScript, MongoDB. View Project

Doctor's Appointment System & Dashboard

- Developed a medical appointment booking system with user authentication and notifications.
- Created an admin dashboard for managing doctors, schedules, and patients.
- Technologies: Next.js 14, JavaScript, MongoDB. *View Project*

Developer's Blog & Dashboard

- Built a developer's blog platform with user authentication, article posting, and commenting features.
- Backend: Django. Frontend: React. Database: MongoDB. *View Project*

Rental Housing Platform & Dashboard

- Created a platform for users to post and browse rental listings, complete with features for listing management and property inquiries.
- Integrated a responsive design to ensure usability across devices and implemented a robust authentication system.
- Technologies: Next.js 14, JavaScript, MongoDB. *View Project*

Education

Dedan Kimathi University of Technology, Nyeri, Kenya
Bachelor of Science in Mathematics and Statistics – 2024

Skills and Technologies

Backend: Python, Django, Node.js, REST APIs, Next.js, JSON.

Frontend: HTML, JavaScript, TypeScript, React, Bootstrap, CSS.

Tools: AWS, Git, VS Code.

Machine Learning: TensorFlow, PyTorch.

Database: MongoDB, Prisma, SQL.

DevOps: CI/CD, GitLab, Jenkins, Agile, Docker.

Languages: English (Fluent)

Career Goals:

To leverage my expertise in full-stack development and machine learning to create innovative and impactful software solutions while fostering continuous learning and collaboration in dynamic environments.