Emmanuel Makau

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LinkedIn
GitHub
Website

Dedicated Full-Stack Developer

Proficient in building responsive web applications with HTML, JavaScript, Next.js 14, and MongoDB. Experienced in creating scalable REST APIs and basic machine learning models using TensorFlow. Skilled in data extraction and automation with Beautiful Soup and jsdom. Adept at debugging and optimizing performance for user-focused solutions. Passionate about solving challenges and delivering impactful software.

Work Experience

Full Stack Developer

Dedan Kimathi University of Technology   *January 2024 to October*

- Junior Full-Stack Developer with one year of experience building sports and club sites, helping Dedan Kimathi University of Technology achieve a 50% increase in event participation and a 30% boost in administrative efficiency. These asks include both Frontend and Backend development.
- Developed and maintained software applications using C, Python, JavaScript, and TypeScript. Authored technical documentation, including design specifications, API documentation, and user manuals

Full Stack Web Developer

Open Source Contributions   *github*   *January 2024 to Present*

- **Enhanced Code Quality and Collaboration:** Actively contributed to open-source projects by writing clean, maintainable code and collaborating with diverse teams, improving accessibility, performance, and feature implementation across various applications.
- **Continuous Learning and Problem-Solving:** Gained in-depth technical knowledge by resolving real-world issues, debugging complex systems, and implementing scalable solutions, fostering 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 and admin dashboard. Implemented product management, order tracking, and payment processing features. Technologies used include Next.js 14, JavaScript, and MongoDB. This project is in my portfolio.

- **Doctor's Appointment System & Dashboard**

  Developed a medical appointment booking system with user authentication and notifications.
  Implemented an admin dashboard for managing doctors, schedules, and patients.
  Technologies used include Next.js 14, JavaScript, and MongoDB. This project is in my portfolio.

- **Developers Blog & Dashboard**

  Built a developers' blog platform with user authentication, article posting, and commenting features.
  Used Django for backend and React for the frontend, with MongoDB for data storage.
  This project is in my portfolio.

Education

Dedan Kimathi University of Technology - Nyeri, Kenya

B.S, Mathematical and Statistics - 2024

Skills and Technologies

- Backend: Python, Django, Node.js, REST APIs, Next.js, JSON
- Frontend: HTML, JavaScript, TypeScript, React, Bootstrap, Next.js, CSS
- Tools: AWS, Git, Vs Code
- Machine Learning: TensorFlow, Pytorch
- Database: MongoDB, Prisma, PostgreSQL

Languages

English - Fluent