

Emmanuel Makau

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

Dedicated Full-Stack Developer

Passionate Junior Full-Stack Developer skilled in building **scalable and responsive web applications** using **Next.js 14, Django, MongoDB, Python, and TypeScript**. Experienced in **REST API development, DevOps (CI/CD), and machine learning with TensorFlow**. Adept at problem-solving and delivering impactful software solutions.

Work Experience

Full-Stack Developer

Dedan Kimathi University of Technology

January 2024 – October 2024

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

Full-Stack Developer

Open Source Contributions

January 2024 – Present

- Enhanced **code quality and collaboration** through contributions to **open-source projects**.
 - Improved **accessibility, performance, and feature implementation** across various applications.
 - Resolved real-world issues, debugged complex systems, and implemented scalable solutions.
 - Gained a deep understanding of **coding best practices and teamwork in dynamic environments**.
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Projects

Developer's Blog & Dashboard

- Built a **blog platform** with **user authentication, article posting, and commenting features.**
- **Backend:** Django | **Frontend:** React | **Database:** MongoDB.
[View Project](#)

E-Commerce Platform & Dashboard

- Designed and built a **responsive e-commerce platform** with **product management, order tracking, and payment processing.**
- **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](#)

Rental Housing Platform & Dashboard

- Created a platform for **rental property listings, inquiries, and user authentication.**
- **Implemented responsive design** for cross-device usability.
- **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 & Technologies

Backend: Python, Django, Node.js, REST APIs, Next.js, JSON.
Frontend: HTML, JavaScript, TypeScript, React, Tailwind CSS, CSS5.
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 build **innovative and impactful software solutions** while continuously learning and collaborating in **dynamic environments**.