

# Michael Kemboi

## Software Engineer

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### Professional Summary

I'm a highly skilled Software Engineer driven by a passion for solving real-world problems through technology. I thrive on turning ideas into secure, scalable software solutions that make a tangible difference. Whether I'm architecting robust backend systems, crafting seamless APIs, or building intelligent machine learning models, my focus is always on creating tools that deliver value and impact. Beyond the code, I value collaboration, continuous learning, and the challenge of tackling complex problems in innovative ways. For me, every project is an opportunity to blend creativity, precision, and purpose.

### Experience

**Software Engineering Internship, Constech Limited**

06/2024 – 09/2024

Eldoret

- Participated in brainstorming sessions and contributing ideas.
- Helped prepare client-facing documentation and presentations, improving product onboarding efficiency for new users.
- Conducted quality assurance checks and reported issues, enabling faster bug resolution and reducing post-deployment errors.
- Gained hands on experience in professional project workflows, version control, and collaborative software development practices.

### Current role

I'm a freelance developer creating impactful software solutions while actively seeking an internship or full-time role. Passionate about growth, I continuously explore new tools and frameworks to stay ahead of industry trends and bring fresh ideas to every project.

### Languages

**English**

Fluent

**Kiswahili**

Fluent

### Skills

- **Programming Languages:** Python, SQL,
- **Frameworks & Libraries:** Django, FastAPI, jQuery
- **Databases:** PostgreSQL, MySQL
- **Tools & Platforms:** Git, GitHub, Postman, Docker

I can quickly adapt to new technologies, tools, and workflows, enabling me to stay current in fast-evolving development environments.

## Projects

### **MSET Point of Sale**, *Web Application*

- Developed a web-based Point of Sale system with real-time sales, inventory, and customer management.
- Implemented secure transactions, streamlined checkout processes, and accurate record-keeping to support business growth.
- **Tech Stack:** Python, Django, JavaScript, Bootstrap 5, PostgreSQL

### **Mpesa Daraja**, *API Design*

- Built a Django-based application integrating Safaricom's M-Pesa API for initiating STK Push transactions and querying payment status.
- Designed a clean API workflow and implemented transaction logging for improved tracking and reliability.
- **Tech Stack:** Python, Django, Postman, PostgreSQL, JavaScript

## Education

### **Software Engineering**, *ALX Africa*

01/2023 – 03/2024

Gained a strong foundations in Software Engineering, then specialised in backend development. Learnt to build, test, and deploy secure, high performance software while applying industry best practices through collaborative, real world projects.

## Hobbies and Intrests

- Reading tech blogs and industry publications
- Listening to music
- Cycling and hiking