

# Mateli Boniface Kioko | Nairobi, Kenya

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**Github:** <https://github.com/Mcodes23>

## SUMMARY:

Backend Developer specializing in **Node.js** and **Express.js**, with hands-on experience building secure and scalable **RESTful APIs** using **PostgreSQL, MongoDB, and MySQL**. Experienced in delivering production-ready backend systems for real-world applications, including an AI-powered tax assistant and deployed machine learning services.

Strong foundation in **API design, JWT authentication, and database modeling**, with working knowledge of **Linux environments and DevOps workflows**. Passionate about building reliable backend systems and continuously improving performance, security, and scalability.

Currently seeking a **Backend Internship or Junior Backend Developer role** where I can contribute to production systems while expanding my expertise in cloud infrastructure and deployment practices.

## Education:

**BSc. Business & Information Technology** – Dedan Kimathi University of Technology (2020–2026)

## Skills:

### Technical Skills:

1. **Languages:** JavaScript (ES6+), Python, SQL
2. **Backend:** Node.js, Express.js, REST APIs, JWT Authentication
3. **Databases:** PostgreSQL, MySQL, MongoDB
4. **Tools:** Git, GitHub, Linux (Bash), Postman, VS Code

## Experience:

**Software Engineering & QA Attaché – TEACH2GIVE**

*Nyeri — Feb 2025 – April 2025*

- Built and maintained backend API endpoints using Node.js and Express for internal web applications.
- Designed and connected relational databases, handling CRUD operations and data validation.
- Tested backend services using Postman and documented defects, improving API reliability.
- Collaborated in an Agile team using Git and GitHub, participating in code reviews and resolving merge conflicts.

## Projects:

### 1. HelaTax (AI-Powered Tax Assistant) – Final Year Capstone | *Node.js, MongoDB, React, Python*

- Designed and built a scalable **REST API** using **Node.js** and **Express** for Kenyan SME tax workflows.
- Modeled and managed **MongoDB schemas** for secure financial data storage.
- Implemented **JWT-based authentication** and **authorization**.
- Integrated **Python-based AI scripts** to generate personalized tax insights.
- **Github repo:** <https://github.com/Mcodes23/helatax.git>

### 2. Flower Classifier (Deep Learning Model) — Completed | *Python, TensorFlow, Streamlit*

- Trained an image classification model using MobileNetV2 with data augmentation techniques to improve accuracy.
- Deployed the model via **Streamlit**, demonstrating the ability to take a Python-based machine learning model to production.
- **Github repo:** <https://github.com/Mcodes23/flowers-classification.git>

## Certifications:

- Certificate in Web Development - FreeCodeCamp, 2022
- Certificate in JavaScript Algorithm and Data Structure - FreeCodeCamp, March 2025
- Certificate for Software Development Training program - TEACH2GIVE, April 2025
- Certificate in Backend Development and APIS - Freecodecamp, September 2025