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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