

Mateli Boniface Kioko

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Objective:

Motivated software developer with a strong foundation in **Node.js, JavaScript, and backend development**, experienced in building full-stack applications and applying computer science fundamentals. Seeking a **Software Engineering Internship at Microsoft** to contribute technical skills, collaborate on innovative projects, and grow under mentorship while advancing scalable solutions.

Education:

Bachelor of Science in Business and Information Technology,
Dedan Kimathi University of Technology,
September, 2020 - December, 2025(expected)

Skills:

Technical Skills:

1. **Languages:** JavaScript (Proficient),python(Basic), HTML5, CSS3
2. **Frameworks & Libraries:** React.js, Node.js,Express.js
3. **Databases:** MySQL(postgreSQL), MongoDB (Basic)
4. **CS Foundations:** Data Structures & Algorithms (DSA), System Design (basic-to-intermediate)
5. **Tools & Platforms:** Git & GitHub, Visual Studio Code, GitHub Pages
6. **Other:** Responsive Web Design, Debugging, RESTful APIs, Software Testing

Soft Skills:

1. Strong problem-solving abilities
2. Excellent communication skills, both verbal and written
3. Ability to work collaboratively in a team environment
4. Detail-oriented with a focus on delivering high-quality work
5. Quick learner with a passion for continuous improvement

Experience:

Software Engineering & QA Attaché – TEACH2GIVE

Nyeri — Feb 2025 – April 2025

- Participated in daily training sessions and collaborative coding tasks
- Gained hands-on exposure to full-stack development and QA workflows
- Conducted software testing and reported bugs using issue tracking tools
- Practiced clean code principles and Git-based version control
- Strengthened understanding of agile methodologies and documentation practices

Projects:

HelaTax (AI-Powered Tax Assistant) — Ongoing (Final Year Project) | Node.js, React, MongoDB, Python

- Developing a digital assistant to simplify tax filing and compliance for **Kenyans**.
- Integrating AI to provide personalized tax insights and filing guidance.
- Designing a secure full-stack platform with **Node.js, MongoDB, and React**.
- Collaborating on API integrations for financial data and mobile accessibility.

SmartCart (AI-powered Shopping List Web App) — Ongoing | React.js, Node.js, MongoDB, CSS

- Designing a full-stack shopping list application with **AI-powered item suggestions**.
- Building **user authentication** and CRUD operations with **Node.js & MongoDB**.
- Developing a **responsive React.js front-end** with dynamic rendering and clean UI/UX.
- Planning deployment to demonstrate scalability and real-world usability.

Flower Classifier (Deep Learning Model) — Completed | Python, TensorFlow, Streamlit

- Trained and deployed an image classification model using **MobileNetV2**.
- Implemented **data augmentation and model checkpointing** for accuracy.
- Deployed via Streamlit with Google Drive integration.

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

References:

Available upon request.