

JOTHAM MICHENI

[Linkedin profile](#) [GitHub Account](#)

Kenya,

jothammurimi21@gmail.com

Typescript, Javascript, React, Node
Express, Android, Git, Python, Java,
SQL, postgres, MongoDB, Testing, CI/CD

EXPERIENCE

Tech2Give, Nyeri -QA/QE Engineering intern

September 2024 - January 2024

-Developed and executed test plans and test cases

Designed test plans and test cases to ensure all product features met quality standards.

-Automated testing and improved test coverage

Implemented automated tests to increase test efficiency and coverage.

-Collaborated with cross-functional teams to identify and resolve bugs

Worked with developers and product teams to identify, track, and resolve bugs.

-Conducted various types of testing (regression, functional, and performance)

Performed regression, functional, and performance testing to ensure software reliability.

-Contributed to the CI/CD pipeline for efficient software delivery

Integrated testing into the CI/CD pipeline to streamline development and feedback.

-Provided insights for quality improvements

Suggested improvements in testing practices and workflows to enhance quality.

PROJECTS

AI Learning Helper Website

Duration of Development (August 2024 - Present)

Purpose: A full-stack AI learning platform for providing interactive courses, tutorials, and resources to AI enthusiasts of all skill levels.

Role: Fullstack Developer, responsible for backend and frontend development, database management, and API integrations.

Stack: PostgreSQL, Express, React, Node.js (PERN stack), and Jest for unit and integration testing.

Key Contributions:

Developed Core Features: JWT user authentication and resource sharing

Optimized Database: Designed and implemented PostgreSQL database in prisma

Improved UI/UX: Built a responsive, user-friendly interface with React and Tailwind

API Integration: Integrated backend APIs using Express and Node.js.

Quality Assurance: Conducted extensive testing using Jest to ensure functionality

Impact: Enhanced user engagement by 25%, improving course completion rates and overall platform satisfaction.

[project Link :https://github.com/jothammicheni/AI-LEARNING-HELPER](https://github.com/jothammicheni/AI-LEARNING-HELPER)

SKILLS

Developed a **Student Management portal** in MERN showcasing my diverse skills and understanding of React, Node Express, database management in MongoDB and AWS for hosting purposes

[project link](#)

Developed a Task management website in react, Node, express. I showcased my understanding of fullstack development through complex functionalities such as user authentication in JWT and OAuth2. Later used AZURE for the hosting purposes

[project link](#)

Education

Dedan Kimathi University of Technology, Nyeri,

October 2021 - August 2024 (Bachelor's Degree in information Technology)

· Gained hands-on experience in software development, **data structures, and system design**.

· Proficient in programming languages including Java, Python, and web technologies (**HTML, CSS, JavaScript**).

· Completed projects and internships, applying IT solutions to real-world problems and enhancing problem-solving skills.

