

MULI MUNYOKI JOB

SOFTWARE ENGINEER

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EXPERIENCE

Software Engineer Intern Nairobi, Kenya Taquana Limited May 2024 - August 2024

Collaborated with a team to develop a matatu management software (Nganya) that helps matatu owners, and transport companies manage their business with ease.

Technologies Used: Typescript, Nuxt, Tailwind CSS, MongoDB.

Key Contributions:

- Worked with MongoDB Atlas Charts to visually represent data for the admin dashboard.
- Assisted in implementing new user greeting emails using nodemailer.
- Contributed to the development of the user interface and back-end integration.
- Participated in implementing MongoDB Atlas Search on the user interface.
- Assisted in implementing real-time notification using pusher.

PROJECTS

Meal Booking

Built a Meal Booking web app with Flask and MySQL, enabling students to schedule meals and cafeteria staff to manage orders. The app features secure authentication, a responsive frontend, and efficient meal booking management, improving cafeteria operations and user experience.

Digicraft Website

Developed a responsive website for Digicraft Limited using Django and PostgreSQL, allowing users to send messages, subscribe to newsletters, and access blog content. The website features a dynamic backend for handling user interactions and content management, with a clean, user-friendly frontend. Integrated messaging and subscription functionalities, along with a blog section to engage visitors.

Crime Report System

Developed a full-featured crime reporting system using Flask, enabling users to anonymously report crimes, share real-time location data, and access a crime analysis heatmap. The application integrates geolocation features to pinpoint the reporter's location and visualizes crime data on an interactive map for better analysis and decision-making.

Movie Database

Created a Movie Application Programming Interface (API) using Django Rest Framework and PostgreSQL, enabling users to add, update, delete, and retrieve movie data from the database. Implemented token-based authentication to secure Application Programming Interface (API) access, allowing only authorized users to perform CRUD (Create, Read, Update, Delete) operations on movie records. This ensures secure data handling and smooth interaction with the PostgreSQL database.

Finest

Developed a web platform that allows users to post, review, and rate projects, utilizing Django, Django Rest Framework (DRF), and TailwindCSS for a responsive UI. Integrated third-party authentication using Django Allauth, enabling seamless sign-ups and logins via popular social media platforms. Built dynamic RESTful APIs for managing projects and reviews, with real-time interaction powered by AJAX for submitting reviews without page reloads. Implemented robust user authentication, project management, and rating systems, ensuring a smooth and interactive user experience.

SKILLS

Languages: Python, SQL, JavaScript, Typescript

Frameworks: Flask, Django, Vue, Nuxt

Tools: Visual Studio Code, Figma, Postman, Git, Blender, Vercel, Render, Azure CLI, Cpanel, DBeaver, MongoDB Compass, pgAdmin, Docker

EDUCATION

University of Eastern Africa Baraton Eldoret, Kenya Bachelor of Science Software Engineering **Jan 2021 - Dec 2025**

CERTIFICATIONS

- Intro to Azure and Microsoft Copilot for Students
- Crowdsourc Learn Community Program
- Postman API Beginner Learning Path

REFERENCES

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