

# Rodgers Munene

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## Professional Summary

Full-stack developer with 3 years of experience building, testing, and optimizing web applications.

Proficient in front-end and back-end technologies, including React, Node.js, Django and Flask. Skilled in designing responsive user interfaces, integrating RESTful APIs, and managing databases for scalability.

Strong foundation in object-oriented programming, data structures, and algorithms. Committed to writing clean and maintainable code while following industry best.

## Experience

**INTERN** | August 2023 – January - 2024

**The Jitu - Nyeri, Central Kenya**

The Jitu is a forward-thinking software development startup specializing in creating high-performance, scalable applications using modern software engineering practices

- Improved the design and usability of web and mobile apps by implementing responsive layouts and integrating user feedback, leading to a more engaging user experience.
- Played a key role in developing client websites using **React.js and WordPress**, ensuring they met client requirements and were optimized for both functionality and user experience.

**FRONTEND DEVELOPER** | August 2023 – December 2023

**Upwork - Kenya**

- Developed and optimized a real-time data dashboard using React and Node.js, reducing data processing time
- Enhanced application efficiency by refactoring code for a key backend service, resulting in reduction in server response time and improved user experience
- Designed a responsive, user-friendly interface that ensured the website was visually appealing and accessible on various devices
- Implemented robust functionality using HTML, CSS, JavaScript, and Python: Developed the core features and functionality of the website

## Education

**Bachelor of science in Computer Science**

DEDAN KIMATHI UNIVERSITY OF TECHNOLOGY (DeKUT) • 01/2022 - Present

**High School Diploma**

Meru School • Meru, Kenya • 01/2018 - 04/2022

Grade: A-

## Projects

### KLIN Waste Management System

The KLIN Waste Management System is a comprehensive software solution designed to streamline waste collection, reduce environmental impact, and improve urban cleanliness. Built for municipalities, organizations, and communities, KLIN offers a scalable platform with robust features, including route optimization, real-time tracking of waste collection vehicles, predictive maintenance alerts, and data-driven analytics to help reduce operational costs and enhance efficiency. With customizable dashboards, automated scheduling, and in-depth reporting tools, KLIN enables users to monitor waste levels, adjust collection frequencies, and achieve sustainability goals effectively. Dedicated support and integration capabilities make KLIN an essential tool for modern waste management.

### Movie Recommendation System (FilmSage)

Developed an AI-powered movie recommendation system using Next.js, TypeScript, and Tailwind CSS, with data sourced from The Movie Database (TMDb) API. The system uses a hybrid recommendation approach, incorporating both collaborative filtering and content-based techniques to suggest movies based on user preferences and viewing history. Implemented efficient state management and optimized API calls to ensure a smooth user experience. Focused on scalability, modularity, and responsive design.

## Skills & Abilities

- Analytical Skills
- Bootstrap (Framework)
- Computer Science,
- C (Programming Language)
- Machine Learning,
- Mathematics,
- MySQL,
- Python (Programming Language),
- React.js,
- Web Design

## Activities and Interests

Animation, Machine Learning, Mobile Development

## References

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