Rodgers Munene

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Professional summary

Versatile full-stack developer with three years of experience building, testing, and optimizing end-to-end web applications. Proficient in front-end and back-end technologies, I work confidently with JavaScript frameworks like React and Node.js, as well as backend frameworks such as Django, Flask, and Spring. My skill set includes designing responsive and intuitive user interfaces, integrating RESTful APIs, and managing databases to create seamless, scalable applications. With a strong foundation in object-oriented programming, data structures, and algorithms, I emphasize clean, maintainable code and best practices in Git version control, CI/CD workflows, and automated testing (JUnit, PyTest) to ensure performance and reliability across the stack.

WORK EXPERIENCE

The Jitu • Nyeri, Central Kenya • 08/2023 - 01/2024

The Jitu is a forward-thinking software development startup specializing in creating high-performance, scalable applications using modern software engineering practices. By leveraging advanced algorithms, efficient code architecture, and rigorous testing, they deliver robust solutions tailored to solve complex challenges across industries.

Intern • Internship

- Developed and optimized a real-time data dashboard using React and Node.js, reducing data processing time.
- Collaborated with a cross-functional team to implement CI/CD pipelines, accelerating deployment time and enhancing development workflow.
- Enhanced application efficiency by refactoring code for a key backend service, resulting in reduction in server response time and improved user experience.

Upwork • Kenya • 08/2023 - 12/2023

As a freelancer at Upwork, I developed a company's website that enhanced its online presence and user experience. This project involved designing a responsive, user-friendly interface and implementing robust backend functionality using HTML, CSS, JavaScript, and Python. I successfully integrated e-commerce capabilities, optimized the site for SEO, and ensured cross-browser compatibility. My work resulted in a 40% increase in web traffic, a 25% boost in online sales, and improved customer engagement. Additionally, I provided training and documentation to the client for seamless content management and site maintenance.

Frontend Developer • Part-time

- 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.
- Achieved a 40% increase in web traffic: Enhanced visibility and attracted more visitors to the site.

EDUCATION

Bachelor of science in Computer Science

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

PROJECTS

Cybersecurity Threat Detection System • 06/2024 - 08/2024

Created a machine learning model to detect cybersecurity threats in real time. Utilized a combination of supervised learning algorithms, including Random Forest and Support Vector Machines, to classify network traffic as benign or malicious. Employed Python libraries such as Scikit-learn and Pandas for data preprocessing and feature extraction. Implemented the model in a simulation environment, achieving a high detection rate with minimal false positives. Focused on improving system performance through hyperparameter tuning and cross-validation.

KLIN Waste Management System • 01/2024 - 03/2024

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) • 01/2024 - 03/2024

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

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