EDMUND KIAMA

Nairobi, Kenya | +254-710-228-149 | edmundgachanja@gmail.com
Linkedin: linkedin.com/in/edmund-kiama-2269a4325/ | GitHub: github.com/Edmund-Kiama
Portfolio: porfolio-nine-teal.vercel.app/

SUMMARY

Innovative Software Engineer with expertise in full-stack development and DevOps. Proficient in JavaScript, Python, and Docker, with a strong focus on scalability, performance, and reliability. Passionate about solving complex technical challenges and continuously improving software systems.

EDUCATION

Moringa School – Software Engineering (Nov 2024 – Apr 2025)
Technical University of Kenya – BEng Mechanical Engineering | Second Class Upper / 3.4 GPA (July 2019 - Dec 2024)
Pioneer School – KCSE | Grade: B+ (Jan 2015 – Dec 2018)

CERTIFICATIONS

- **HarvardX** – Programming Using Python | Issued Oct 2024
- **Simplilearn** – Introduction to Internet of Things (IoT) | Issued Sep 2024
- **MathWorks** – MATLAB Certified | Issued Sep 2024

WORK EXPERIENCE

WINO KE - Software Engineer (Oct 2024 - Present)

- Built and optimized scalable applications to enhance performance and reliability.
- Implemented CRUD operations for dynamic user interactions.
- Collaborated with a team to design high-performing applications.
- Debugged and optimized code to enhance functionality.

National Cement Company Limited - Mechanical Engineer Intern (May 2024 – July 2024)

- Worked with automated control systems to monitor operations and ensure system efficiency.
- Assisted in diagnosing and maintaining industrial systems to optimize performance.
- Gained experience in system reliability and operational monitoring.
- Managed industrial workflows through a Central Control Room (CCR) using integrated software systems.

PROJECTS

4-Wheel Steering System | SolidWorks, Ultimaker Cura, Blender (Oct 2023 – Mar 2024)

- Designed and simulated a gear-based four-wheel steering system.
- Implemented multi-phase steering control using advanced gear mechanisms.

Rick and Morty Application | HTML, CSS, JavaScript, External API, Docker (Dec 2024) | Github

- Developed a web application integrating an external API for real-time data retrieval.
- Built an interactive UI with dynamic user engagement.

Satellite Monitoring System | Vue.js, Python, Flask, Docker (Mar 2025) | Github

- Developed a RESTful API with Flask for satellite data management.
- Created a Vue.js front-end for real-time data visualization.
- Designed the system for scalability with potential future ML integrations.

TECHNICAL SKILLS

- **Programming Languages:** JavaScript, Python, HTML/CSS
- **Frameworks & Libraries:** Vue.js, React.js, Flask, SQLAlchemy
- **Databases:** MySQL
- **DevOps & Version Control:** Docker, Kubernetes, Git, GitHub, GitLab
- **Software Development Tools:** VS Code, Postman, Linux Terminal
- **Engineering & Simulation Tools:** SolidWorks, AutoCAD, MATLAB, Ultimaker Cura
- **Operating Systems:** Linux

PROFESSIONAL SKILLS

- Experienced in cloud-native technologies, including Docker and Kubernetes.
- Proficient in full-stack development, covering both front-end and back-end technologies.
- Skilled in system design, technical analysis, and engineering applications.
- Strong problem-solving, analytical thinking, and troubleshooting skills.
- Adaptable and capable of thriving in fast-paced environments.
- Effective communication and collaboration skills in both team and independent settings.
- Demonstrated ownership, accountability, and integrity in project execution.
- Committed to continuous learning, upskilling, and staying updated with industry trends.