

Calvin Kimani

@ calvinkimani475@gmail.com

calvin-kimani.vercel.app

(+254) 0743747064

linkedin.com/in/calvin-kimani-5567a3231/

Nairobi, Kenya

github.com/calvin-kimani

EXPERIENCE

Senior Systems Engineer (Independent Contractor)

Feb 2025 - Present

E-Moti Limited | Nairobi, Kenya

- Leading research and hands-on system engineering for a scalable electric mobility platform integrating route optimization, geospatial computing, and real-time tracking.
- Designed and implemented microservice architectures on AWS; developed APIs, integrated third-party services, and established secure, observable, and fault-tolerant backend infrastructure.
- Conducted advanced research in transportation optimization, ETA prediction algorithms, and ML-driven predictive analytics using realistic datasets and benchmarking environments.
- Contributed to intellectual property development through algorithmic innovation and system architecture, with eligibility for the company's ESOP upon successful review.
- Maintained high standards in code quality, data protection compliance (DPA 2019 & GDPR), and engineering best practices (TDD, CI/CD, Docker, Kubernetes).

Full-stack Developer (Consultant)

Feb 2025 - Apr 2025

Oneclick Communications | Nairobi, Kenya

- Created intuitive, user-friendly interfaces, enhancing system usability and user engagement.
- Created high-performance, maintainable code for web applications, enhancing application stability and reducing maintenance time.
- Optimized UI components for speed, efficiency, and accessibility.
- Developed wireframes, prototypes, and interactive designs.
- Enhanced user experience through stakeholder collaboration, resulting in more user-friendly products.
- Ensured seamless integration of UI/UX designs with backend systems.
- Improved and refined designs after usability testing, boosting user satisfaction.

Software Developer(Freelance)

Mar 2022 - Aug 2024

Upwork | Nairobi, Kenya

- Developed high-performance software and web applications using JavaScript (Svelte Js, React Js), leading to improved user engagement and operational efficiency.
- Enhanced functionality and performance of software applications by analyzing and resolving issues, boosting client satisfaction and system efficiency.
- Created scalable, testable code to meet business demands, reducing bugs by 30% and enhancing application reliability and performance.
- Enhanced data efficiency by implementing SQL and other relational database systems, resulting in a 3% reduction in data retrieval time.

Full-stack Developer

Jan 2022 - Aug 2024

Tukzone | Nairobi, Kenya

- Built and launched a social networking platform for The Technical University of Kenya students using SvelteKit, TypeScript, and PostgreSQL.
- Implemented real-time messaging, notifications, and campus event management features, doubling student participation and enhancing communication.
- Designed and developed a responsive, accessible UI with modern web technologies.
- Boosted user engagement and platform efficiency by strategically refining features based on comprehensive user feedback and analytics.

EDUCATION

Degree, Computer Science

2024

The Technical University of Kenya

- Degree from The Technical University of Kenya

SKILLS

Assembly

C

Go (Golang)

HTML5 / CSS

Javascript

Laravel

PHP

Python

ReactJS

Typescript

LANGUAGES

English

Fluent