

SUMMARY

Full Stack Developer with 3+ years of experience building scalable web applications and optimizing infrastructure across diverse technology ecosystems. Proficient in modern web technologies including React, Node.js, Next.js, and TypeScript, with a proven track record of delivering innovative solutions through open-source contributions and freelance projects. Demonstrates strong problem-solving skills, ability to learn quickly, adapt to new technologies, and collaborate effectively in cross-functional teams.

SKILLS

Frontend: ReactJS, TypeScript, Next.js, JavaScript, HTML, CSS, Tailwind CSS, Framer Motion, Material UI

Backend: Node.js, JavaScript, Python, Next.js, Express.js, Django, Flask, FastAPI, REST APIs

Database: MySQL, PostgreSQL, MongoDB

DevOps & Tools: Docker, Kubernetes, AWS, GitHub Actions, Linux, Bash scripting, CI/CD, Git, VS Code, Jest, Jira, Agile

EXPERIENCE

Full Stack Software Developer | Freelance - Nairobi, Kenya (remote)

April 2024 – Present

Specialized in developing scalable web applications and backend integrations, focusing on API development, payment system integration, and responsive design. Collaborated successfully with clients to deliver tailored, high-quality solutions aligned with their business goals.

- **Developed and deployed dynamic web applications** using React, Next.js, and TypeScript, enhancing user engagement by 25%, traffic by 20%, and improving cross-platform functionality.
- **Ensured reliable performance** through continuous system improvements and leveraged DevOps practices for efficient deployments.
- **Engineered secure backend systems** with Node.js, Next.js, PostgreSQL, and MongoDB, integrating payment systems like Stripe and MPESA, as well as third-party APIs to enhance overall system functionality and user experience.
- **Automated deployment pipelines** using Docker and GitHub Actions, reducing manual workloads by 40% and accelerating delivery times.

Software Engineer (Open-Source) | Hyperledger - California, United States (remote)

June 2023 - October 2024

Contributed to building Fablo, a blockchain automation tool for generating and running Hyperledger Fabric networks on Docker and Kubernetes. Leveraged **TypeScript**, **Node.js**, **Bash scripting**, **GitHub Actions**, and **Linux environments** to develop the tool, enhance deployment processes, automate tests, and optimize system performance.

- **Spearheaded the improvement of the Docker setup and Kubernetes operators**, boosting deployment efficiency by 30% and optimizing resource utilization for Hyperledger Fabric blockchain networks.
- **Expanded test coverage**, increasing issue resolution by 40% and preventing deployment failures while resolving key technical issues and adding features, which boosted automation efficiency by 20%.
- **Collaborated with global contributors** to develop and maintain open-source blockchain tooling fostering a collaborative and innovative development environment.

Software Engineer Intern | Eclipse Adoptium - Ottawa, Canada (remote)

October 2021 - April 2022

Contributed to the AQAvit project, an open-source test suite for verifying the quality of Adoptium's OpenJDK binaries, ensuring high standards for Java runtime distributions.

- **Incorporated 20+ tests** from major Java applications into the suite, identifying and resolving failing features, leading to a 30% improvement in verification accuracy and effectiveness.
- **Automated and optimized test execution** using Jenkins, GitHub Actions, Groovy, Bash, and Docker, streamlining workflows and increasing testing efficiency by 25%, significantly enhancing the quality assurance process for Java runtimes.
- **Enhanced test environment configuration** ensuring reliable results and reducing test failures by 15% through effective platform engineering.

EDUCATION

Multimedia University of Kenya

January 2012 - October 2015

Bachelor of Science, Information Technology