Leon M. Njeru (Munene)

Full-Stack & DevOps Engineer | Java Spring Boot · Python · React · Docker · Linux

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SUMMARY

Full-Stack & DevOps Engineer with 3+ years building and deploying production web platforms end to end: React and Next.js frontends, Java Spring Boot and Python services, and Dockerized deployments on Linux behind Nginx. Product Lead for an enterprise monitoring platform whose backend and API optimization improved system efficiency by ~50%. Information Security major who automates releases, designs secure APIs, and leads engineering teams.

TECHNICAL SKILLS

Languages: Java, Python, TypeScript, JavaScript, SQL, Bash, Rust

Backend: Spring Boot (Spring Security, JPA/Hibernate), Django, Flask, Node.js, REST, GraphQL, WebSockets, JWT, OAuth2

Frontend & Mobile: React, Next.js, React Native (Expo), Tailwind CSS, Zustand, Redux Toolkit

DevOps & Infrastructure: Docker/Compose, Nginx (reverse proxy, TLS, rate limiting), GitLab CI/CD, Git, Linux (Ubuntu, Arch), systemd, Vercel

Data & Practices: PostgreSQL, MySQL, SQLite, Redis, RabbitMQ, Flyway; Microservices, System Design, Zero-Downtime Deployment, Performance Optimization, Agile, AI-Assisted Development

EXPERIENCE

Full-Stack Software Engineer & Product Lead Nov 2025 – Present

Azina / Ciphercom

- Lead architecture and delivery of an enterprise monitoring platform (React, Spring Boot, PostgreSQL) and its engineering team.
- Improved overall system efficiency by ~50% through backend optimization, database refinements, and REST API redesign.
- Project-manage the Quorumate meeting platform and AzinaBook admin portal from stakeholder requirements to release.
- Automated build, deploy, and health-check scripts (Bash, rsync/SSH, systemd) for Spring Boot services and React frontends.
- Configured Nginx reverse proxying, sub-path routing, and Let's Encrypt TLS for multi-portal frontends and APIs.
- Built real-time and async features with WebSockets/LiveKit, Redis, and RabbitMQ; versioned schemas with Flyway.
- Introduced AI-assisted workflows that sped up delivery while keeping rigorous code review and architectural ownership.

Contract Back-End Developer Apr 2025 – Nov 2025

Propel

- Designed a Python/Django microservices architecture with GraphQL APIs and RabbitMQ for asynchronous messaging.
- Secured services with JWT, containerized them with Docker, and built CI pipelines with automated unit/integration tests.
- Partnered asynchronously with distributed frontend and product teams to resolve performance bottlenecks.

Software Intern Jul 2024 – Nov 2024

Alofa (Remote)

- Developed, tested, and debugged features with senior engineers in Agile sprints, resolving defects to improve reliability.

Freelance Full-Stack Developer Jan 2023 – Present

Denex Software (Self-Employed)

- Deliver client web apps and sites (e.g. Vertical Techniques Ltd.) end to end, from requirements to hosting, domains, and email.

PROJECTS

DevOps Deployment Boilerplate | *Docker, Nginx, GitLab CI/CD, PostgreSQL, Redis, Flyway, Bash* — Production-style stack with zero-downtime rolling deploys (0 of 3,400+ requests failed under load), auto-rollback, TLS, backups, and server hardening.

ECD Smart Data Portal | *Spring Boot 3, Spring Security (JWT), PostgreSQL, Flyway, Next.js 14* — Role-based portal for Kenyan Early Childhood Development centers: attendance, child records, health tracking, reporting.

Kamusi AI | *Next.js, PostgreSQL, Drizzle ORM, Clerk, Gemini API* — AI-generated courses with chapters and video.

EDUCATION & CERTIFICATIONS

B.Sc. Applied Computing (Information Security Major) Sep 2023 – Sep 2026 (Expected)

KCA University — Coursework: Information Security, Systems Design, Software Engineering, Databases, Networking

Software Engineering Program (Backend Specialization) Mar 2023 – Apr 2024

ALX Africa — Python, backend development, distributed systems, and scalable software architecture

Certifications: ALX Certified Software Engineer | HackerRank React (Frontend) & Python (Basic) | Microsoft ADC LIT Program

LEADERSHIP & COMMUNITY

- **Community Lead** (May 2025 – Present): lead a 30+ member tech community across Product, Engineering, and Marketing.
- **GDG on Campus Co-Lead**, KCA University (2024 – 2025): co-led the Google Developer Group chapter.
- **Microsoft Student Ambassador**: mentored 20+ students | **Frontend Lead, KCA Tech Club**: trained 20+ members in React.