

Vincent Muriuki

Senior Software Engineer

Nairobi, Kenya

+254 705 874 443 | muriukivin@gmail.com

linkedin.com/in/vincentmuriuki | vincentmuriuki.dev

PROFILE SUMMARY

Senior Software Engineer with 5+ years of experience building scalable backend systems, robust APIs, and cloud infrastructure. Proven track record of working effectively in fully remote, cross-functional teams to deliver production-ready software. Expert in leveraging product-thinking to solve complex problems at scale, streamline workflows, and drive social impact through technology.

TECHNICAL SKILLS

- **Languages:** TypeScript, JavaScript, Python, SQL, Java
- **Backend & Frameworks:** Node.js (NestJS, Express), Spring Boot, Flask
- **Cloud & DevOps:** Google Cloud (GCP), AWS, Docker, Kubernetes, CI/CD, Cloud Run
- **Databases:** PostgreSQL, Redis, MySQL, MongoDB, Firebase
- **Tools & APIs:** OpenAI API, LangChain, Git, Linux, Hyperswarm, Pub/Sub

PROFESSIONAL EXPERIENCE

Smartmile

Senior Software Engineer

Nov 2020 – Present

Remote (Nagold, Germany)

- Architected and scaled backend APIs using Node.js and TypeScript, supporting thousands of daily parcel terminal transactions across Europe.
- Optimized PostgreSQL performance and implemented Redis caching, reducing API latency and improving system responsiveness for time-sensitive logistics.
- Managed GCP infrastructure and CI/CD pipelines, maintaining high system availability and reducing deployment overhead through automation.
- Led the transition from a monolithic architecture to decoupled microservices using background queues for resilient job processing.
- Developed custom no-code configuration tools that empowered non-technical operations teams, reducing engineering support tickets by streamlining service testing.
- Facilitated remote-first collaboration across global time zones to ensure consistent software delivery and architectural alignment.

BSK Global Technologies

Software Engineer

Jan 2020 – Nov 2020

Nairobi, Kenya

- Built automated data processing systems using Spring Boot and Python to improve reporting accuracy and operational efficiency.
- Owned the full software development lifecycle for client projects, from initial system design to production deployment and monitoring.
- Streamlined deployment workflows by implementing automated CI/CD pipelines, reducing manual intervention and error rates.

Andela

Software Engineer Apprentice

Feb 2018 – May 2019

Nairobi, Kenya

- Developed full-stack web applications and APIs using React and Node.js in an intensive, Agile-driven environment.

- Collaborated with senior engineers to implement best practices in code maintainability, security, and testing.

SELECTED PROJECTS

DukaYaShiro (Smart ERP)

Next.js, TypeScript, Redis

Developed a smart ERP for spare parts retailers featuring **M-Pesa integration**, inventory analytics, and sales tracking to digitalize local business operations.

Distributed Cronjob System (In Development)

Node.js, Redis, Docker

Building a self-hosted, distributed task scheduler designed for high-reliability job execution across multiple containers, featuring failure retry logic and state persistence.

Uzalendo (Civic Tech Platform)

TypeScript, OpenAI, Redis

Architected an AI platform that summarizes complex legal documents into accessible language to encourage citizen participation in public legislative reviews.

EDUCATION

Masinde Muliro University of Science and Technology

B.Sc. in Computer Science

2014 – 2018

Kakamega, Kenya