

# Joash Agesa

Fullstack Software Engineer

Nairobi County, Kenya

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## About

Full-stack Software Engineer specializing in intelligent system architecture. Creates problem-solving products with exceptional user experience using modern web technologies and scalable design principles.

## Projects

### AIRFibers ↗

A comprehensive ISP Business Management System for internet service providers

### CodeGround 🗕 ↗

An Educational Online Code Editor powered by AI Documentation

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### Netwatch AI Chatbot ↗

An embeddable AI Powered chatbot that provides real-time system monitoring and support

[More Projects...](#)

## Work Experience

### WezeshaNet Technologies Ltd Technical Lead

Jan 2025 - Present | Nairobi, Kenya

Leading development team in Automation and Solutions Department

- Leading a team of 4 developers in the design and delivery of a scalable SaaS platform for managing internet resellers, supporting hotspot and PPPoE users.
- Architected a microservices-based, event-driven system handling billing, router management, and marketing campaigns.
- Spearheaded DevOps and CI/CD pipelines to streamline deployment workflows and reduce downtime.
- Modularized core components for reusability across future company products, enabling more scalable development.
- Driving project management, code quality, and technical direction to bring the product to market efficiently and reliably.

### WezeshaNet Technologies Ltd Associate Software Engineer

Jan 2024 - Dec 2024 | Nairobi, Kenya

In Automation and Solutions Department

- Automated repetitive internal processes with custom scripting, improving operational efficiency.
- Designed and implemented an AI-powered customer support chat widget integrated into the company's monitoring dashboard.
- Helped non-technical users gain actionable system insights by simplifying complex monitoring interfaces.

### Virtualweb Technologies Frontend Developer

Jun 2023 - Dec 2023 | Germantown, MD (Remote)

In Development and Engineering Department

- Developed high-converting landing pages to increase visibility and engagement for company products.
- Designed and implemented in-house mobile applications that assisted in the automation of business procedures.

### SiafuSocial Ltd. Technical Lead

May 2023 - Nov 2023 | Nairobi, Kenya

In Product R & D and Engineering Architecture Department

- Led a team of 2 developers to build and launch a SaaS platform to onboard 1,000+ freelance marketers and facilitate B2B sales for distribution companies.
- Integrated real-time order placement and commission tracking for vendors and marketers.
- Engineered a country-wide algorithm for route optimization and geographic mapping to aid delivery logistics across Kenya.
- Integrated third-party APIs and ensured system scalability under rapid user growth.

## Stacks

**Web Development** TypeScript, JavaScript, Vue.js, Nuxt.js, React.js, Next.js, Node.js

**Backend & Database** GraphQL, MongoDB, PostgreSQL, Docker, Microservices

**AI & Machine Learning** OpenAI API, Retrieval-Augmented Generation (RAG), Process Automation, AI Chatbots

**Programming Languages** Rust, JavaScript

**Cloud & Architecture** AWS, CI/CD, Systems Design

## Education

**Computer Software Engineering, Bachelor of Science - BS**, Kirinyaga University

Sep 2019 - Sep 2023

## Languages

**English** (Fluent), **Swahili** (Native speaker)

Online Version

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