

# Joash Agesa

Fullstack Software Engineer

Nairobi County, Kenya

[joashagesa@yahoo.com](mailto:joashagesa@yahoo.com)



## About

Fullstack Web Developer with proven experience in designing scalable systems, leading projects, and delivering user-focused platforms. Skilled in managing end-to-end development and adapting quickly to new challenges. Focused on building products that are both impactful and reliable.

I am an open-source enthusiast who loves collaboration and knowledge sharing. My projects consistently reflect attention to detail in user experience, architecture, and code quality. Working with me is enriching as I bring technical expertise, creativity, and dedication to every project.

## Projects

### AIRFibers ↗

A comprehensive WISP Business Management System for internet service providers

### CodeGround 🌐 ↗

An Educational Online Code Editor powered by AI Documentation

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### Beeetle ↗

An embeddable Chat Widget with AI powered conversation

[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 &amp; 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.

**Herufi Technologies Ltd.** Frontend Web Developer

Jul 2022 - Dec 2022 | Nairobi, Kenya

## In Product Development Team

- Built an Ecommerce website for a distribution company called Marsyetu.
- Created a sales directive through direct sale with customers.
- Boosted company revenue and converted leads faster.
- Collaborated with a team of other developers, exercising proper collaborative culture.

**Turyde LTD** Software Tester

Nov 2021 - Dec 2021 | Kenya

## Quality Assurance Department

- Performed UX testing and Bug Testing procedures on mobile applications.
- Learning Quality Assurance and generating comprehensive product reports.
- Boosted the deliverability timelines of applications through systematic testing approaches.

## Stacks

**Frontend Development** TypeScript, JavaScript, Vue.js, Nuxt.js, React.js, Next.js, React Native, Vite

**Backend Development** Node.js, GraphQL, MongoDB, MySQL, PostgreSQL, Serverless, Nginx, Docker, Dokku, Microservices

**Mobile Development** Android, Kotlin, React Native, PWA

**Cloud & DevOps** Firebase, AWS, Azure, CI/CD, DevOps

**Programming Languages** Python, Java, C/C++, C#, Go

**Project Management & Design** Systems Design, Agile Project Management, Quality Assurance, Software Testing, Figma, Heuristic Analysis

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

## Education

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

Sep 2019 - Sep 2023

## Languages

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

Online Version

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Last updated at June 6th 2025, 4:32:51 pm