

Kitessa Fikadu Tefera

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SUMMARY

Software Engineer experienced in building scalable full-stack applications, microservices, REST APIs, and AI-enabled systems using Go, Node.js, Python, and PostgreSQL. Proficient in Docker, Redis, GitHub Actions for CI/CD, and Chapa payment integration. Skilled in working within Agile teams to engineer clean, thoroughly tested, and maintainable solutions.

EDUCATION

Jimma University

B.Sc. in Software Engineering, GPA 3.49/4.00

May 2021 – Jun 2026

Jimma, Ethiopia

EXPERIENCE

OTech

Sep 2026 – Present

Software Engineer

Addis Ababa, Ethiopia

- Built and customized **ERP** systems using **Odoo**, **Python**, and **PostgreSQL**, developing business modules, data models, workflows, and **REST APIs** to support core business operations.
- Tested and debugged ERP features to identify issues, improve reliability, and deliver stable functionality across different business workflows.

Zead Labs

Feb 2026 – Jun 2026

Software Engineer

Remote Contractual

- Built backend and end-to-end features using **Node.js**, **PostgreSQL**, and **React.js**, ensuring reliable data flow between backend services and user interfaces.
- Increased deployment reliability by 30% and reduced production defects through unit and integration testing with **Jest**, **code reviews**, and **CI/CD** automation using **GitHub Actions**.

A2SV | Africa to Silicon Valley

Jun 2025 – Dec 2025

Software Engineer

Remote Part-time

- Developed containerized backend services using **Go**, **PostgreSQL**, and **Docker**, with a focus on modular service design and reliable data access.
- Documented and tested **RESTful APIs** using **Postman** for API validation while collaborating within an **Agile** development team.
- Developed and maintained cross-platform mobile applications using **Flutter**.

A2SV | Africa to Silicon Valley

Mar 2025 – Jun 2025

Software Engineer Intern

Addis Ababa, Ethiopia

- Built a real-time multilingual translation app using **Flutter**, helping travelers communicate across language barriers.
- Optimized data preloading and integrated **Go** backend services, reducing application load times and improving overall user experience.
- Applied **TDD** and Clean Architecture principles to build a maintainable, scalable, and reliable application.

A2SV | Africa to Silicon Valley

Feb 2025 – May 2025

Software Engineer Intern

Addis Ababa, Ethiopia

- Developed a modular backend API for an e-commerce and brokerage platform using **NestJS** and **MongoDB**, implementing structured and efficient data handling.
- Improved system security by implementing **JWT**-based authentication and role-based authorization.
- Integrated **Chapa** for payment processing, reducing transaction failures and improving the checkout experience.

PROJECTS

Seralink – Job Platform for informal workers ↗

- Built an AI-enabled service marketplace with **NestJS** and **Next.js**, implementing **Redis** and **BullMQ** for asynchronous job processing and background tasks.
- Built backend services and database models to support tasker recommendations, bookings, and payments.

SpendWise – Expense Tracking Platform ↗

- Developed an expense tracking platform using **Go**, and **PostgreSQL** for expense management, budgeting, and financial monitoring.
- Integrated financial analytics dashboards and automated notifications to deliver data-driven budget insights and streamlined loan tracking.

ResQ – Emergency Decision Support

- Built a real-time emergency coordination platform using **Python**, Next.js, and **Firebase** for alerting, incident tracking, and live status updates.
- Designed and implemented severity classification and workflow-based status management to support healthcare decision-making and response coordination.

TECHNICAL SKILLS

Languages: Go, Python, JavaScript/TypeScript, SQL

Frameworks/Libraries: FastAPI, Express.js, NestJS, Gin, Reactjs, Nextjs, Flutter

Tools & Platforms: Git, GitHub, GitLab, Docker, Windows, Linux, Postman, Redis, Firebase, Supabase, Vercel, Render

LEADERSHIP AND EXTRACURRICULAR

Campus Director, Hult Prize Foundation: Launched the Hult Prize program at Jimma University and led a 20-member committee supporting 51 student startups.

Head of Competitive Programming & Mentor, SPEC-JiT: Led division operations and mentored students in computer programming, algorithmic problem-solving, and data structures.

HONORS & CERTIFICATIONS

2nd Place Winner – Venture Meda AI Hackathon, Jimma University

Finalist – Harvard Global Health Systems Innovation AI Hackathon, Addis Hub