

Yoseph Kedir

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Skills

Languages: TypeScript, JavaScript, Python, SQL, C++, Bash

Frontend: React, Next.js, Vue, Nuxt.js, Tailwind CSS, React Native

Backend: Node.js, Express, FastAPI, Flask

Databases: PostgreSQL, MongoDB, MySQL, Redis

Tools: Docker, GitHub Actions, Firebase, Git

Experience

Founding Engineer — Alactive, Rome, Italy (Remote)

Mar 2025 – Feb 2026

- Led the development of an agentic system with multiple agents fine-tuned for specific tasks.
- Integrated the system with WhatsApp, email clients (Outlook & Gmail), web clients, and multiple PMS systems via APIs and reverse engineering.
- Optimized response time by 26% by creating a router to dispatch queries to different models based on complexity.
- Built internal tools to monitor, analyze, and maintain the agentic system.
- **Tech Stack:** TypeScript, JavaScript, React, Next.js, Tailwind CSS, Supabase, Azure, LangChain, LangGraph, OpenAI, Redis, PostgreSQL, Docker, WhatsApp API, Gmail API, Outlook API

Full-Stack Developer (Internship) — GO PLATFORM, Doha, Qatar (Remote)

Nov 2024 – Feb 2025

- Researched and analyzed competitor platforms to understand product capabilities and derive effective system design strategies.
- Reverse-engineered closed-source proprietary software to map underlying system architecture and workflows.
- Developed core application features using Vue for the frontend and Express for backend services.
- **Tools & Methods:** Figma, competitor analysis, reverse engineering, system architecture mapping, workflow analysis, Vue.js, Nuxt.js, Express.js

Back-End Engineer — Datafinity, Addis Ababa, Ethiopia (On-site)

May 2023 – Dec 2023

- Designed, implemented, and maintained a scalable database architecture using Supabase to support growing application demands.
- Reduced database query latency by 2.1× through strategic indexing and a high-performance caching layer.
- Implemented secure backend integrations using encrypted data flows (TLS), hardened API endpoints, and strict access-control policies.
- **Tech Stack:** React, Next.js, Flask, Node.js, Express.js, PostgreSQL, MongoDB

Full-Stack Developer (Internship) — Brighter Generation, Virginia, US (Remote)

Dec 2022 – Mar 2023

- Led a team of 4 to develop a chronic patient monitoring system automating patient management and real-time monitoring.
- Deployed the system across multiple hospitals, reducing average patient waiting time by 40 minutes and increasing daily hospital capacity by 26%.
- Collaborated with hardware engineers to integrate IoT components and deliver end-to-end patient monitoring solutions.
- **Tech Stack:** React, Flask, Tailwind CSS

Education

Addis Ababa Science and Technology University

Sep 2023 – Ongoing

Bachelor of Science in Software Engineering

- **Relevant Coursework:** Data Structures & Algorithms, Web Application Development, Software Requirements & Systems Design, AI & Machine Learning, Computer & Network Security

Projects

Tabs

Website | GitHub

- Cross-browser side-panel extension for saving and organizing tabs without keeping them open.
- Capture the current tab or an entire session, group saved links, and return to them later from a lightweight workspace.
- Available on Chrome Web Store and Firefox Add-ons.
- **Tech Stack:** React, TypeScript, Vite, Chrome Extension APIs, Firefox Extension APIs, CSS, Node.js

Application Tracking System

Website | GitHub

- Full-stack hiring workspace that centralizes recruitment for organizations.
- Manages applications, tracks candidates through the pipeline, and coordinates end-to-end hiring workflows.
- Adds AI-assisted ranking to help reviewers sort applicants by skills and qualifications faster.
- **Tech Stack:** Next.js, React, TypeScript, Express.js, MongoDB, Redux Toolkit, Firebase, MUI, Tailwind CSS, Google Gemini