

ABRHAM ABABU

Senior Full-Stack Software Engineer

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SUMMARY

Full-stack software engineer with 4+ years of professional experience building and shipping production web applications, SaaS platforms, ERP systems, and AI-driven solutions. Experienced in technical leadership, scalable architecture, cloud deployment, and delivering business systems for NGO and private-sector clients.

TECHNICAL SKILLS

Frontend: React, Next.js, TypeScript, JavaScript, Tailwind CSS, shadcn/ui, Zustand, Zod

Backend: Node.js, Express.js, NestJS, Laravel, Spring Boot, Django, REST APIs, WebSockets

Data: PostgreSQL, MySQL, MongoDB, Supabase, Prisma, Vector Databases

DevOps & Cloud: Docker, Kubernetes, CI/CD, Jenkins, Git/GitHub, AWS, Cloudflare, Vercel, Railway, Render, VPS, cPanel

AI & Data: Python, NumPy, Pandas, MATLAB, RAG pipelines, n8n workflow automation, LLM integration

Architecture & Security: Microservices, System Design, Authentication, Authorization, RBAC, API Security, ERPNext/Frappe

Mobile Development: Flutter, React Native, Kotlin, Java

EXPERIENCE

Software Developer & AI Solutions Designer (Contract)

Mar 2026 - Present

AfterQuery - Remote - San Francisco, US

- Use Python, NumPy, Pandas, and MATLAB for data analysis and model-evaluation tasks supporting AI solution design.
- Build and maintain web applications and design AI-driven workflows and prompts to improve product usability and delivery quality.
- Collaborate cross-functionally on software projects from planning and implementation through review and delivery.

Chief Technology Officer (CTO) - Part-time

Mar 2023 - Present

Halink Solution PLC - Addis Ababa, Ethiopia

- Lead a 5–10 member engineering team across architecture, development, deployment, and continuous improvement of production systems.
- Delivered 35+ production-ready modules across ERP, workflow automation, business management, and custom client solutions.
- Shipped and continue to support systems serving 500+ users across NGO and private-sector clients, including maintenance, feature enhancements, and production improvements.
- Define technical standards, system architecture, delivery workflows, and product direction while translating stakeholder requirements into scalable solutions.

Senior Software Engineer

Feb 2025 - Aug 2026

Elisoft Solution PLC - Addis Ababa, Ethiopia

- Built an ERPNext procurement module for JSI Research and Training Institute with multi-user, threshold-based approval workflows across nine procurement sections.
- Developed a SaaS platform for Zemen Insurance using Next.js and Laravel, and delivered responsive frontend modules for client projects.

Software Engineering Team Lead - Skiwai Platform

Jun 2025 - Jul 2026

Hamer AI Ethiopia PLC - Addis Ababa, Ethiopia

- Led engineering of Skiwai, a platform connecting startup founders with advisors and investors, using Next.js, NestJS, and PostgreSQL.
- Coordinated development work and integrated Stripe and Chapa payments, RAG-based search, and n8n workflow automation.

Senior Frontend Developer (Contract)

Jan 2025 - Present

Zagoal PLC - Remote - Washington, DC, US

- Develop SaaS frontend features and contribute to the Zagoal LLC iOS/Android Flutter app, integrated with a NestJS backend for a multi-purpose platform serving primarily US users.

Full-Stack Developer

May 2025 - Oct 2025

Safaricom Talent Cloud - Gebeya Inc. - Addis Ababa, Ethiopia

- Completed a 5-month intensive program building and deploying an MVP with Next.js, Node.js, Express, and PostgreSQL.
- Worked in agile sprints using Jira and placed 2nd in an internal hackathon for a fuel-locator application.

Web Developer & Operations Support

Feb 2025 - Nov 2025

YAB Chemicals - Addis Ababa, Ethiopia

- Designed, built, and deployed the company website using React and Next.js, while supporting content and day-to-day operations.

Frontend Developer (Intern -> Contractor)

Aug 2024 - Dec 2025

Atlas Computer Technology - Addis Ababa, Ethiopia

- Built and maintained the frontend of a House Rent Management System for Amhara Housing Corporation and Hibret Bank using React, Next.js, and shadcn/ui.
- Converted a 5-month paid internship into an extended contractor role based on performance.

Full-Stack Developer

Jun 2022 - Apr 2025

Formidable - Addis Ababa, Ethiopia

- Built Wedet, an Ethiopia-focused tourism booking platform, owning full-stack development of tour listings, bookings, and user management.
- Used Next.js, Supabase, and Docker to deliver a scalable, production-ready booking workflow.

Web Development Intern

Jun 2022 - Jul 2024

CodSoft - Atlanta, GA, US (Remote)

- Built responsive websites with HTML, CSS, and JavaScript and strengthened hands-on debugging and UI implementation skills.

SELECTED PROJECTS

PTGR Token Platform - ptgr-front-end.onrender.com

Secure token-holder platform for a hackathon with investor onboarding and identity verification for users across 40+ countries. Next.js, NestJS, Better Auth, Zod, Didit KYC.

Fuel Finder App - fuel-finder-frontend.onrender.com

Full-stack application with React and Node.js/Express, including real-time data processing and authentication.

Addis Ababa House Rental Agreement System - aahrams.onrender.com

Senior capstone project digitizing house-rental agreement management for a sub-city administration. React, Node.js, Docker, Zod.

Skiwai - skiwai.com

AngelList-style platform for startup founders, advisors, and investors. Next.js, NestJS, PostgreSQL, Stripe, Chapa, RAG, n8n.

House Rental Management System - act.com.et

Platform for Amhara Housing Corporation and Hibret Bank to manage properties, tenants, and payments. React, Next.js, shadcn/ui, Zod, Zustand.

Wedet App - wedet-fe.vercel.app

Tourism booking platform connecting Ethiopia's tourism industry through listings, bookings, and user management. Next.js, Supabase, Docker.

YAB Chemicals Website - yabchemicals.com

Production website for a chemical import and supply company, including UI/UX implementation with React and Next.js.

Elisoft Solution Website - elisoftsolution.com

Dynamic, responsive company website built with Laravel and customizable business-focused features.

Zagoal SaaS Project - zagoal.com

Frontend contributions to a large-scale internal SaaS platform supporting company operations.

MOBILE APPLICATION PROJECTS

MamaCare App | Flutter (Android)

Co-developed a maternal and early-childhood support app covering pregnancy through ages 2–3, with nutrition guidance, calendars, and personalized suggestions. Deployed for demonstrations; presented to NGOs and government stakeholders, earning recognition. Google Play launch planned after marketing.

Fuel Finder App | Flutter

Co-built a hackathon mobile solution for drivers, fuel-station owners, and authorities to locate fuel and manage station operations. Awarded 2nd place at the Safaricom Talent Cloud hackathon.

Zagoal LLC Mobile App | Flutter, NestJS (iOS & Android)

Contributed to development of a multi-purpose SaaS mobile app for primarily US-based users, collaborating on Flutter functionality and NestJS-backed integration while serving as Senior Frontend Developer.

EDUCATION & CERTIFICATIONS

B.Sc. in Computer Science (Information & Communication Technology) - Hope Enterprise University College, Addis Ababa

Certifications: Cisco - Networking Basics | AWS AI Trainee | FUSE - Fundamentals of Artificial Intelligence | Udacity - Modern AI & Development, Programming Fundamentals, AI Fundamentals, Android Development | freeCodeCamp - Responsive Web Design

LEADERSHIP

Chief Technology Officer (CTO), Halink Solution PLC - Lead a 5–10 member team and oversee architecture and delivery of production systems serving 500+ users.

Software Engineering Team Lead, Hamer AI Ethiopia PLC - Led development and coordinated engineering work for the Skiwai platform.

ICT Club Advisor & Parliament ICT Representative, Hope Enterprise University College - Mentored 80+ students in programming and organized hackathons and technical workshops.

LANGUAGES

Amharic (Native) | **English** (Professional working proficiency - B2/C1)