

DAGMAWI HEYWOT

Addis Ababa, Ethiopia • +251 944 301 550 • dagmawiheb@gmail.com • github.com/DagiH22

SUMMARY

Fullstack engineer with a BSc in Computer Science, building production web applications with TypeScript, React/Next.js, NestJS, and PostgreSQL. Shipped an attendance platform used by 100+ members, built a multi-role donation platform with secure payment webhooks, and am developing a RAG-based support platform with cited answers. Comfortable working on-site, hybrid, or remote, with strong written and spoken English.

TECHNICAL SKILLS

Languages & Frontend: TypeScript, JavaScript (ES6+), SQL, React 19, Next.js, Vite, Tailwind CSS, Zustand, Recharts, Responsive Design

Backend & APIs: Node.js, Express, NestJS, REST APIs, JWT Authentication (HTTP-Only Cookies), RBAC, Zod, BullMQ, Chapa Payments

Databases & AI: PostgreSQL, MySQL, pgvector, Redis, Prisma, Drizzle ORM, OpenAI Embeddings API, Token Chunking, RAG

Tools & Infrastructure: Git, GitHub, npm, Turborepo, MinIO (S3), Vercel, TiDB Cloud

PROJECTS

Attendance Management System | In Production • [Github](#) React, TypeScript, Node.js, Express, Prisma, PostgreSQL

- Engineered QR-code and manual check-in workflows for one-time, weekly, and custom university events used by 100+ members.
- Implemented JWT authentication, real-time attendance analytics dashboards, event lifecycle management, and Brevo email notifications.

AgentDesk: AI Customer Support Platform | In Progress • [Github](#) Next.js, NestJS, TypeScript, pgvector, Drizzle ORM, BullMQ, Redis, MinIO

- Building an AI support platform where businesses upload their documents (PDF/TXT) and get a chatbot that answers customer questions from that content, with cited sources.
- Built the document pipeline: files are uploaded, text is extracted and split into chunks, then embedded and stored in pgvector so they can be searched by meaning.
- Indexing runs in the background with BullMQ and Redis (retries, no duplicate jobs), and the platform has secure login with HTTP-only JWT cookies and per-user data isolation.

Charity Management System | Final-Year Project • [Live Demo](#) [Github](#) React 19, TypeScript, Vite, Tailwind CSS, Express, Prisma, MySQL, Zod

- Built a 3-role donation platform (admin, charity, donor) using JWT in HTTP-only cookies and role-based access control (RBAC) across the API.
- Integrated the Chapa payment gateway with server-side webhook verification, automated PDF donation receipts, and Recharts analytics dashboards.
- Added charity document verification (Multer), campaign images, and Nodemailer notifications; validated every request with Zod and deployed on Vercel and TiDB Cloud.

EXPERIENCE

Research & Testing Contractor — Private Client (Remote, Confidential) Jul 2026 – Present

- Research robotics, AI, and marketing topics and synthesize technical findings into structured reports for the client.
- Test Android applications and websites, reproduce defects, and report them with exact deterministic steps under tight deadlines.

Digital Operations & Marketing Automation Intern — Condigital Inc. (Remote) Apr 2026 – Jun 2026

- Built and customized Odoo websites, eCommerce stores, and blogs, using Odoo Studio to create custom apps, fields, and automated workflows without extra code.
- Ran email marketing and marketing automation campaigns tied to Odoo CRM, with segmented lists and scheduled follow-ups to nurture and track leads.

Software Engineering Intern — ViralHit (Remote) Oct 2025 – Jan 2026

- Built the frontend of a visual ERP interface builder featuring a drag-and-drop canvas, reusable components, and Zustand state management.
- Implemented dynamic forms, configurable tables, and multi-page workflows, improving rendering performance on complex screens.

IT Support Intern — Public Service Transport Service Jun 2025 – Aug 2025

- Troubleshoot hardware, software, and network problems and supported the organization's internal ERP platforms and websites.

EDUCATION & CERTIFICATIONS

BSc in Computer Science — Addis Ababa University 2023 – 2026 (Graduated)

- Certificates:** Udacity Nanodegrees — Programming Fundamentals; AI Fundamentals
- Languages:** English (Proficient), Amharic (Native)