

Eyasu Zerihun

Full-Stack Developer | Next.js, Convex, Supabase & AI Integration

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SUMMARY

Full-stack developer with 4+ years of experience shipping production web and desktop systems across healthcare, hospitality, education, and retail. Founder of Zemen Tech, an independent software consultancy delivering end-to-end client solutions from architecture through deployment. Currently building AI-integrated products with Next.js, Convex, and Supabase, and managing IT infrastructure and digital strategy as IT Manager at Impact Production Company.

EXPERIENCE

- Founder & Full-Stack Developer — Zemen Tech

2023 – Present

 - Founded and operate an independent software consultancy delivering full-stack web and desktop solutions for clients in hospitality, healthcare, education, and retail.
 - Own the full delivery cycle per engagement: requirements gathering, database design, backend/API development, frontend build, and deployment.
 - Shipped production systems including a hotel management system, a parent-child school attendance/grading tracker, a pharmacy inventory & patient reservation platform, and a university smart attendance system.
 - Delivered 2 additional client projects via Upwork, working directly with international clients on scope, delivery, and revisions.
- Full-Stack Developer — Tracksess (private, AI-integrated web platform)

2025 – Present

 - Building and maintaining a privately-held web application with embedded AI features, covering both frontend and backend development.
- IT Manager / Business Consultant — Impact Production Company

Jan 2025 – Present

 - Led end-to-end development of the company's official website ([impactproduction.info](#)), ensuring high performance and a responsive UI.
 - Manage IT infrastructure and digital strategy, overseeing technical operations across production workflows.
 - Architected internal data-management solutions to strengthen operational efficiency and online presence.

PROJECTS

- MedLink — Pharmacy Inventory & Patient Reservation Platform

Flutter • Django REST • PostgreSQL

 - Mobile + backend platform letting patients locate the nearest pharmacy carrying a medicine and compare real-time pricing, paired with an inventory and reservation system for pharmacies.
 - Authored an IEEE Std 830-1998 compliant SRS and a full technical/product presentation for the platform.
- ZemenServe — Offline Restaurant Management System

C# / .NET 8 • WPF • SQLite • SignalR • QuestPDF

 - Two-terminal (cashier + kitchen) LAN system with real-time order sync via SignalR, built for fully offline operation with zero manual server startup.
 - Designed the full database schema, event contracts, and a phased implementation plan for direct handoff to development.
- ShopLink — Multi-Vendor E-Commerce Platform

Next.js • MongoDB • Tailwind CSS

 - Multi-vendor marketplace supporting independent seller storefronts, product catalogs, and order management.
- EMH Architects & Engineers — Corporate Website

Next.js • Tailwind CSS

 - Designed and built the firm's public website ([emh-architects.com](#)) as a client engagement under Zemen Tech.
- Hotel Management System • Parent-Child School Tracker • University Smart Attendance System

 - End-to-end booking, billing, and room-management system for a hotel client; a web-based attendance/grading system for the Ethiopian education sector; and an automated attendance system for university-scale use.

SKILLS

- Languages: Python, TypeScript, JavaScript, C#, C++
- AI / ML: Machine Learning, TensorFlow, PyTorch, AI Chatbot development, Hugging Face, OpenAI API integration
- Frontend: Next.js, React, React Native, WPF, Tailwind CSS
- Backend: Node.js, Django (Django Stack), FastAPI, .NET 8, Convex, REST API / API Integration
- Databases & Cloud: PostgreSQL, MongoDB, Supabase, Firebase, SQLite, Docker
- Other: Full-Stack Development, Web Development, Mobile App Development, Git/GitHub, SignalR, QuestPDF, Agile/Scrum

EDUCATION

B.Sc. in Computer Science

Addis Ababa University • 2018 – 2021

CERTIFICATIONS

- CS50x: Intro to Computer Science — Harvard University
- [View certificate](#)
- CS50P: Programming with Python — Harvard University
- [View certificate](#)
- AI Fundamentals — Udacity
- [View certificate](#)
- Data Analysis Fundamentals — Udacity
- [View certificate](#)
- Data Literacy — IBM SkillsBuild
- [View badge](#)
- AI Literacy — IBM SkillsBuild
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