Abenezer Ayalneh

Full-Stack Developer — TypeScript · Angular · React · Nest.js

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Full-Stack Developer with 5+ years of experience building scalable, production-ready web applications. Specialises in TypeScript-based frontend and backend development with Angular, React, and Nest.js. Proven track record delivering across gaming and enterprise domains — from solo side projects to leading multi-person engineering teams.

WORK EXPERIENCE

Fullstack Developer — Multi Matrix Ltd   June 2024 – July 2025

Hong Kong, China · Remote

- Built a mobile-first sports betting UI using Angular 18–20+ and Ionic, delivered for a white-label client
- Integrated third-party WebSocket APIs for real-time price updates, using Web Workers for off-thread data processing to maintain smooth UI performance
- Contributed to the Nest.js backend to resolve third-party API integration issues

Team Lead / Full-Stack Developer — Ablaze Labs   January 2023 – June 2024

Addis Ababa, Ethiopia · On-site

- Led development of a multi-tenant Telegram SaaS bot for an online virtual betting game — handles payments and delivers live game result updates
- Built a suite of reusable microservices (auth, file management, configuration, geo-location, search engine) that reduced preparation time for subsequent microservice projects by 40%
- Delivered an experimental NewSQL project using SurrealDB + cirql ORM with Nest.js, covering simple CRUDs through to complex graph relationships

Junior Developer — BGI Ethiopia   April 2021 – January 2023

Addis Ababa, Ethiopia · On-site

- Built a document validation and standardization system used across all departments — cut the planned standardization timeline by 60% (from 10 months to 4)
- Developed an overtime management system handling scheduling and approval across 6 company sites with 450+ employees and a 3-level manager approval workflow
- Implemented an LDAP-based authentication system for all in-house applications — eliminated 100% of auth-related help desk tickets

PROJECTS

Lynx — Word Guessing Game

gametrix.org

Real-time multiplayer word guessing game with WebRTC voice communication between players. Colyseus handles game-state sync; LiveKit powers in-game voice chat.

Angular · NgRx SignalStore · Nest.js · Colyseus · LiveKit · PostgreSQL · Docker

Triads — Word Puzzle Game

triads.gametrix.org

Single-player puzzle game on web, iOS, and Android. Physics-driven floating word bubbles (Matter.js), fluid GSAP animations, and fully accountless local-storage statistics.

Angular · Ionic · Capacitor · Matter.js · GSAP · Nest.js · PostgreSQL · Docker

White-Label Sports Betting Platform

m.freedemokit.com

Production-grade Angular + Ionic app with NgRx SignalStore state management and Web Workers for off-thread WebSocket processing under high-frequency market data.

Angular · Ionic · NgRx SignalStore · WebSocket · Web Workers · TailwindCSS

Portfolio Website

abenezer-ayalneh.vercel.app

Personal portfolio built with Next.js 15 (App Router), shadcn/ui, Framer Motion animations, and Zod-validated forms. Deployed on Vercel with full dark/light mode.

Next.js · React · TypeScript · TailwindCSS · shadcn/ui · Framer Motion

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SKILLS

Languages

TypeScript, JavaScript, PHP

Frontend

Angular, React, Next.js, Ionic, TailwindCSS, NgRx

Backend

Nest.js, Node.js, Express, Laravel, REST APIs, WebSockets

Databases

PostgreSQL, MySQL, Prisma, Redis

Infrastructure & Tools

Docker, Git, Vercel, nginx, PM2

Real-time & Media

Colyseus, LiveKit, WebRTC, Web Workers

EDUCATION

Bachelor of Science in Computer Science — Addis Ababa University   October 2016 – December 2020

Addis Ababa, Ethiopia

LANGUAGES

English — Professional fluency   **Amharic** — Native