

Tsegaye Talegngeta

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Summary

Software Engineer and a Full-stack web developer with experience in React, Next.js, Nuxt, Node.js, and MongoDB. Have experience in developing scalable web applications, frontend optimization, and secure API design for architecture. State management, UI/UX, and DevOps are of my interest with growing interest in PostgreSQL and Docker.

Work Experience

Frontend Developer (Internship) – Ewenet Communication PLC May 2024 – Oct 2024

- Implemented the frontend of [Reunite Us](#) using Nuxt.js to increase performance and ease of use.
- Utilized Pinia for state management and Tailwind to improve responsiveness.
- Incorporated Nest.js APIs securely for backend communication seamlessly.

Freelancing 2024

- Lifeline Health Initiative Website (*Sep 2024, 2 weeks*) – Developed and published a static web site with HTML, CSS, and JavaScript.
- Upwork
 - Implemented a full-stack application using React.js (Redux Saga) and Express.js.
 - Created a Discord bot with RAG for context and managed the state of users using keyv and sqlite, used ChromaDB for vectorDB, used pm2 to manage multiple bots, and I have deployed it on DigitalOcean.

Education

Bachelor of Science in Software Engineering

Bahir Dar University, Ethiopia

Skills

Frontend Development

- React.js, Next.js, Nuxt.js
- Redux Toolkit, Redux Saga, Pinia
- Tailwind CSS

Backend Development

- Node.js, Express.js, Nest.js
- MongoDB, Mongoose

Other Skills

- Git/Github

- Docker
- Deployed on DigitalOcean, Vercel, Netlify, Koyeb.
- Team Work, Easy Communication.

Certifications

- ❖ [Bachelor of Science in Software Engineering](#) - Bahir Dar University
- ❖ [Best Project Award](#) - Bahir Dar University
- ❖ [AI Career Essentials](#) – ALX

Projects

- [Dot-Code](#) (2025, *Team project*) - won the award for Best Project from the whole computing faculty of Bahir Dar University,
A MERN stack collaboration coding platform in which users may write, edit, and run code in real time. The platform supports features of authentication, syntax highlighting, team collaboration functions, supporting multiple users, inline code suggestion, chat with AI capabilities, Debug using AI.
- [Ceramics Store](#) (2024-2025, *Personal project*) – Next.js and MongoDB application built to help my father manage his ceramics store. Features inventory management, product management, and seller reports.
- [Songify](#) (2024, *Personal project*) A MERN stack application through which users are able to search, bookmark, and organize their favorite songs.
- [IPS \(Internship Program System\)](#) (2023, *Team project*) A desktop JavaFX application that links organizations and students.
- [Globetrotter](#) (2023, *Personal project*) A React app with an interactive map that allows users to explore locations, add comments, and save places of interest. Uses Leaflet.js for map rendering.
- [CineTracker](#) (2023, *Personal project*) A React app for searching, rating, and tracking watched movies.
- [Travel List](#) (2023, *Personal project*) A React app designed for seamless trip planning. Users can create travel itineraries, manage packing lists, and organize essential travel items in one place.
- [Lifeline Health Initiative](#) (2024, *Paid project*) Developed and published a static web site with HTML, CSS, and JavaScript.
- [Liqu](#) (2025, *Personal project*) a discord bot that uses RAG and answers questions when using Gemini's API, made with TypeScript.