

Yonas Tsega Tegenaw

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Summary

Full-stack software developer with 4+ years of experience, specializing in modern frontend development with React, Next.js, and TypeScript. Experienced in planning and delivering scalable, performance-optimized applications with a strong focus on usability and business outcomes. Adept at cross-functional cooperation, translating complex requirements into clean, intuitive solutions. **Brings strong emotional intelligence and self-awareness** to team communication, decision-making, and user-focused product development.

Skills

Languages: Python, JavaScript, TypeScript, SQL

Technologies & Tools: React, Redux, Redux Saga, Next.js, Express, NestJS, Tailwind CSS, Material-UI, AWS, EC2, MongoDB, S3, Docker, GitHub Actions, Firebase

Work Experience

Ministry of Labor and Skills (MoLS), Ethiopia

2025 – Present

Senior Software Developer – E-LMIS Examination System

- Guided and owned the complete frontend development of the **E-LMIS Examination System**, a national-scale platform for student assessment and department placement.
- Incorporated the examination system with the core LMIS platform by retrieving pre-registered student profiles via phone number search and enrolling eligible candidates into the exam database.
- Planned and executed a secure **two-step authentication flow** using phone number, password, and exam code.
- Built real-time exam processing, enabling candidates to view results immediately after completion and during subsequent logins.
- Enhanced administrative interfaces for exporting exam results and assigning successful candidates to their respective departments.
- Cooperated on backend integration using GraphQL APIs while fully owning frontend architecture, state management, and UI execution.
- **Impact:** Enabled over **50,000+ students nationwide across Ethiopian polytechnic colleges** to take standardized digital examinations **via a centralized digital platform**.
- **Technologies:** React, GraphQL, Apollo Client, Hasura, SQL, Zustand, Tailwind CSS

Bekur Tech Solution, Addis Ababa

April 10, 2025 – June 2025

Frontend Team Lead – Finden AI (Cloud Data Integration Platform)

- Contributed to the expansion of **Finden AI**, a cloud data integration platform enabling intelligent access, analysis, and visualization of user data across multiple third-party services.
- Executed secure multi-platform integrations with Google Drive, OneDrive, SharePoint, Jira, and Outlook using third-party APIs.
- Built a unified file browsing experience that allows users to search, view, and interact with files from multiple cloud providers within a single interface.
- Improved intelligent user profiling features by aggregating and processing document-level metadata from connected data sources.
- Planned and executed data-driven dashboards and visualizations to present user-centric insights and activity statistics.
- Created reusable, responsive UI components using Tailwind CSS and ShadCN UI, ensuring consistency and performance across the application.
- **Technologies:** Next.js, Tailwind CSS, ShadCN UI, Redux Toolkit

Senior Frontend Developer – On-Demand Delivery Platform Texas, USA (Remote)

- Directed front-end architecture and execution, building a high-performance, scalable, and responsive user interface using Next.js.
- Enhanced real-time order tracking and notification systems (push and in-app) for drivers, vendors, and customers, improving communication and user engagement.
- Merged Google Maps services for live driver tracking and route optimization, improving delivery efficiency and performance by up to 80%.
- Applied secure payment processing using Stripe and PayPal, supporting seamless and reliable transactions.
- Worked together closely with backend engineers to optimize APIs and database queries, reducing latency and improving system reliability.
- Planned and executed reusable, interactive UI components using Tailwind CSS to ensure a modern and consistent user experience.
- Technologies:** NextJS, NestJS, TypeScript, Redux-Saga, Docker, Tailwind CSS, Prisma ORM

HST, Addis Ababa

December 2023 - December 2024

Full-Stack Developer (Next.js and Django) – Office Automation System

- Managed the front-end execution of the Office Automation System, planning and applying a scalable, high-performance, and user-friendly interface.
- The system has five modules—help desk support, asset management, meeting scheduling, leave tracking, and asset purchase—streamlining business operations.
- The system resulted in a 20% increase in overall productivity by reducing manual processes, improving task tracking, and enhancing communication across departments.
- Technologies:** NextJS, TypeScript, Redux-Saga, Docker, Python, Django, Tailwind CSS, Material UI, PostgreSQL, Prisma ORM

West International Holding Limited

October 2021 - November 2023

Frontend Developer

- Planned and expanded a dynamic content and article posting system, enabling efficient content management and seamless publishing for WIH.
- Built a full-stack website from the ground up, ensuring a modern, responsive, and scalable web presence using the latest technologies.
- Technologies:** React, Bootstrap, jQuery, JavaScript, HTML, CSS

Education

Addis Ababa University

Aug 2017 - Jun 2021

B.E. in Electrical and Computer Engineering

CGPA: 3.40/4.00

Relevant Coursework: Object-Oriented Programming, Databases, State Management using Redux and Zustand, Data Structures and Algorithms, Advanced Data Structures and Algorithms.