Abel Alebachew *Web Developer*

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Profile

Abel Alebachew Asfaw
Self-taught web developer | Final-Year Biomedical Engineering Student
Proficient in designing modern web applications using **MERN stack** (MongoDB, Express.js, React, Node.js) and **Next.js**, with expertise in frontend development (**JavaScript/TypeScript, HTML/CSS, Tailwind CSS, Material UI**). Currently advancing skills in cloud computing (AWS/Azure) to build scalable, secure solutions. Passionate about merging biomedical engineering principles with software development to create innovative, user-centric tools for healthcare and beyond.

Education

2021 – 2025 Addis Ababa, Ethiopia	**B.Sc. in Biomedical Engineering** *Addis Ababa Institute of Technology*

Professional Experience

2024	**Open-Source Front-end web developer** *Self initiated* • Contributed to open-source projects, focusing on front-end development usingJavaScript, HTML, CSS, Tailwind CSS, and React. • Developed user-friendly interfaces and interactive components, enhancing the overallfunctionality and visual appeal of various open-source applications. • Currently expanding knowledge in cloud computing and machine learning to furtherenhance development skills and explore full-stack capabilities.

Skills

Web Development ● ● ● ● ○
- HTML/CSS/Tailwind CSS
- JavaScript/TypeScript
- React
- Next.js

Tools ● ● ● ● ○
- Git & Github
- Figma
- MongoDB Atlas, Firebase
- Webpack, Vite

other languages ● ● ● ○ ○
- python
- java

cloud computing ● ● ● ○ ○
- Azure (VMs, Azure App Service, Azure SQL, BlobStorage....)

Projects

2025	**Cineatlas	Movie, tv and people Discovery Platform** *React, TypeScript, Tailwind CSS, TMDB API* • Developed a responsive full-stack web application for discovering movies, TV shows, and actors, leveraging the **TMDB API** to fetch real-time data. • Implemented dynamic search functionality with debounced queries, allowing users to filter results by **movies, TV series, or actors**, and view detailed profiles (ratings, genres, cast, and trailers).

- Built a clean UI with **Tailwind CSS** and **ShadCn UI**
- Utilized **TypeScript** to enforce type safety, reducing runtime errors and improving code maintainability.
- Integrated pagination, infinite scrolling, and user-friendly error handling for seamless navigation.

2024   **Mengedegna | Travel Log web application**
Full Stack MERN app with Next.js
- Engineered a platform for documenting travel experiences with map-based location, selection and interactive markers.
- Developed RESTful APIs to support seamless creation, retrieval, updating, and deletion of travel entries.
- Designed and implemented a dynamic front-end using **NextJs** and a scalable back-endwith **Node.js** and **Express**.
- Leveraged **MongoDB Atlas** to efficiently store and query user-generated content.
- Integrated location-based features to enhance user engagement and functionality.
- Used Next.js to for optimising SEO and page load performance

2024   **CV Maker | React-Based Resume Builder**
React, JavaScript, HTML/CSS
- Developed a **dynamic CV builder web application** using React, enabling users to create, customize, and export professional resumes with real-time previews.
- Engineered a **user-friendly interface** and a reusable template, reducing user onboarding time and enhancing productivity.
- Implemented **form validation** and local storage integration to save user progress automatically, minimizing data loss risks.
- Collaborated on UI/UX enhancements, adopting modern design systems for clean layouts, responsive components, and accessibility compliance (WCAG standards).
- Utilized modular React components and efficient state management to ensure seamless navigation and scalability.