Tewodros Shimels

Full Stack Developer with experience building responsive, high-performance web applications using JavaScript technologies like React.js, Next.js, Node.js, and Express.js. Skilled in creating scalable architectures, optimizing user experience, and integrating RESTful and GraphQL APIs across the full development lifecycle.

0922910292

• Addis Ababa , Ethiopia

in tewodros-shimels-674776340

Tewos-27

WORK EXPERIENCE

Freelancing and Full Stack Developer In Ashewa Technology

Full Stack Developer

Jun - 2022 - present

- Designed and developed full-stack web applications using React.js, Next.js, Node.js, Express.js, Tailwind CSS, MongoDB and MYsql.
- Seamlessly integrated complex RESTful and GraphQL APIs to connect front-end interfaces with back-end services, ensuring efficient data flow and optimal application performance
- Scalable Back-End Architecture: Built and maintained highly scalable and secure back-end systems using Express.js for API development, proficiently managing data with MongoDB (NoSQL) and MySQL (Relational) databases, and implementing robust authentication and authorization mechanisms.
- Version Control Mastery (Git): Deep understanding and application of Git principles for efficient code management, including advanced branching strategies (e.g., Git Flow, GitHub Flow).
- Implemented full-stack error handling mechanisms, utilizing blocks and asynchronous error handling middleware (e.g., Express error handlers) on the backend and Error Boundaries in React on the frontend to prevent application crashes and ensure graceful degradation.

EDUCATION

Debre Berhan University

Bachelor of Information Technology (IT)

2020 -September - June - 2024

CERTIFICATE

Developing Front-End Apps with React From IBM [7]

• Certified in developing dynamic front-end apps with React, including core concepts, state management, routing, API integration, and advanced state management with Redux for scalable applications.

Developing Back-End Apps with Node.js and Express From IBM [2]

• Certified in developing robust back-end applications with Node.js and Express, covering server-side logic, API development, database integration, and building scalable and efficient solutions.

PROJECT

Check out my portfolio!

Food Delivery Web App 🔀

July - 2024 - present

Tech Stack: React.js, Node.js, Express.js, MongoDB

- Developed a full-stack food delivery web application enabling users to browse restaurants, order meals, and track delivery status in real-time. Implemented a responsive frontend with React.js, RESTful APIs using Express.js, and secure user authentication. Managed order processing and data persistence with MongoDB, ensuring seamless user experience and efficient backend operations.
- I utilized Redux for robust and predictable state management, gaining hands-on experience in its application.
- I developed expertise in mapping API endpoints and orchestrating their interaction with the front-end application. Furthermore, I configured MongoDB with Node.js to establish a scalable database architecture.

Tech Stack: PHP, jQuery, Bootstrap, MySQL

- Built a secure and user-friendly online voting system for university student elections. Contributed to both frontend and backend development, implementing responsive UI with Bootstrap and interactive features using jQuery. Developed server-side logic in PHP for candidate management, vote casting, and real-time result tracking. Utilized MySQL for data storage, ensuring data integrity and secure access control.
- I gained a deep understanding of session-based authentication and authorization using PHP and MySQL databases, along with the principles of designing and managing large databases.

Conference Planner Web App <a>C

October - 2024 - November- 2024

Tech Stack: React.js, Redux, CSS3

- Developed a dynamic web application to manage and organize conferences, allowing users to schedule sessions, register attendees, and view event details. Built a responsive and intuitive user interface using React and CSS. Leveraged Redux for efficient state management, enabling seamless handling of user interactions and real-time updates across the application.
- I gained hands-on experience in managing state using Redux and implementing it based on best practices.
- I gained hands-on experience integrating open API sources for fetching images.

Plant E-commerce Shoping Site [2]

July - 2024 - Apr -2025

Tech Stack: React.js, Redux, RESTful API

Developed a modern e-commerce web application with React and Redux for Browse and purchasing plants.
 Features include a responsive UI, global state management, product listings, and a shopping cart. Integrated RESTful APIs to dynamically fetch plant images from external sources.

Ashewa.com E-Commerce Web App 🔀

present

Tech Stack: Vue.js, Nuxt.js, Next.js (Dashboard)

- Maintained and enhanced the Ashewa.com e-commerce frontend using Vue.js and Nuxt.js, ensuring a
 fast, responsive user experience. Optimized performance, resolved UI/UX issues, and ensured design
 consistency. Also supported the Next.js-based admin dashboard, focusing on component maintenance, data
 rendering, and usability.
- I integrated GraphQL using best practices, set up email and SMS functionalities on the dashboard, and added data export/download capabilities for the data.
- Managed the immediate deployment of hotfixes to production, often leveraging expedited CI/CD pipelines, followed by the careful integration of the hotfix back into the main development branch () and any active release branches to prevent regressions.

SKILLS

Front-End Libraries and Frameworks: React.js, Next.js, Bootstrap and Tailwind CSS.

Back-End Libraries and Frameworks: Node.js, Express.js and PHP

Databases: MySQL and MongoDB

LANGUAGE

English Intermediate

Amharic Native