

Karanvir Singh

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Summary

MERN Stack Developer with over 2.8 years of experience. My mission is to craft sleek and user-friendly web applications that offer seamless user experiences. With a strong foundation in JavaScript, TypeScript, React.js, Next.js, Node.js, HTML, and CSS, I thrive on creating dynamic and responsive interfaces. I am always seeking fresh challenges to learn and grow as a developer. Explore my portfolio for more projects: karanvirsingh011998.github.io/portfolio.

Education

Punjab Technical University, MCA	2018 - 2020
Panjab University, BCA	2015 - 2018

Experience

Software Engineer, Luminoguru – Mohali November 2024 – Present

- Engineered and maintained scalable web applications using React.js and Next.js.
- Crafted adaptive user interfaces with Tailwind CSS for cross-device compatibility.
- Collaborated with backend teams to streamline API integrations for React.js applications.
- Optimized web application performance and search engine visibility with Next.js.
- Guided junior developers through best practices in React and front-end development.

Software Engineer, Wits Innovation Lab – Mohali May 2022 – October 2024

- Built interactive web interfaces using React.js, boosting user engagement by 40% and reducing page load time by 20% through optimized code.
- Utilized React Router for client-side routing and navigation, and Axios for handling HTTP requests, streamlining front-end development and enabling dynamic interactions with back-end APIs.
- Led a team of front-end developers and trained interns, fostering a collaborative environment and enhancing team productivity.
- Leveraged Redux and Context API to manage application states effectively.
- Delivered software aligned with SDLC methodologies, ensuring high-quality solutions.

Projects

Herbalife Nutrition Admin and Distributor Management System

- Devised a management system for administrators and distributors to streamline workflows.
- Incorporated Recharts for data visualization, enabling insightful dashboards.
- Collaborated with design teams to translate wireframes and API responses into interactive frontend features, ensuring alignment with project requirements.
- Handled backend logic using Node.js for seamless communication.

Tech Stack: HTML, CSS, React.js, TypeScript **Libraries:** Material-UI, Axios, React Hook Form, Yup, day.js

WePlanIT Workflow and Task Management Platform

- Curated customizable workflows and task-tracking features using React.js.
- Used React and Redux for state management in the application along with the use of React Hooks.

- Utilized Ant Design and Chart.js for interactive visualizations and UI components.
- Deployed scalable backend services with Node.js and MongoDB.

Tech Stack: HTML, CSS, Next.js, TypeScript **Libraries:** Redux, Antd, Chart.js

Wil Portfolio *Portfolio Management System*

- Modeled a visually appealing platform for project showcasing.
- Incorporated filters for efficient project categorization by domains.
- Integrated multi-select download features for a personalized user experience.
- Wrote test cases using Jest to ensure robust UI functionality.

Tech Stack: HTML, CSS, React.js, Strapi **Libraries:** Material-UI, React-pdf

Flahybase *Biotechnology Company Website for Precision Oncology*

- Showcased an AI-driven ecosystem for precision oncology with a landing page featuring sections for About, Diagnostics, Team, and Contact Us.
- Highlighted cutting-edge detection and diagnostic products powered by artificial intelligence.

Tech Stack: Next.js **Libraries:** Tailwind CSS, react-particles, Formik, Yup

FlahyRecovery *Biotechnology Company Website for Streamlined Workflows*

- Constructed a landing page and dedicated portals for users, administrators, and commercial partners.
- Implemented a user portal to upload and download reports.
- Created an Admin Portal for managing user data, uploading, downloading, and creating reports and user accounts.
- Built a Commercial Partner Portal for adding users and uploading reports for existing accounts.

Tech Stack: Next.js, TypeScript **Libraries:** Tailwind CSS, crypto.js, Formik, Yup, next-intl

Technologies

Languages: HTML, CSS, JavaScript, TypeScript, C++ , C, SQL

Technologies: React.js, Next.js, Node.js, Express.js, MongoDB, Strapi

Libraries/Tools: Redux, Ant Design, Material UI, Tailwind CSS, Chart.js, Recharts, Axios, Formik, Yup, Jest, React Hook Form, day.js, crypto.js, react-particles, next-intl