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, 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 2022 – Present

- Developed and maintained web applications using React.js and Next.js
- Designed and implemented responsive user interfaces using Tailwind CSS.
- Worked closely with backend developers to integrate APIs with React.js applications.
- Optimized web applications for performance and SEO using Next.js.
- Collaborated with cross-functional teams to deliver high-quality software solutions.
- Contributed to the development of reusable UI components and design systems.
- Participated in code reviews and mentored junior developers on React and front-end best practices

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

- Designed dynamic and interactive web applications by developing responsive user interfaces with React.js increased user engagement by 40% and reduced 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.
- Design and implement MongoDB schemas.
- Using the Redux or Context API for state management, ensuring efficient data flow and maintaining application scalability.
- Demonstrated proficiency in the software development life cycle (SDLC), which includes requirements analysis, design, development, testing, and troubleshooting phases. Using this knowledge to deliver high-quality software solutions in alignment with project objectives and stakeholder requirements.

Projects

Herbalife Nutrition *Admin and Distributor Management System*

- Created an admin and distributor management system for streamlined operations.
- Integrated Recharts library to visualize complex data sets through interactive and customizable charts and graphs, providing valuable insights to users on the dashboard.
- Collaborated with design teams to translate wireframes and API responses into interactive frontend features, ensuring alignment with project requirements.
- Integrated Node.js for server-side logic, handling API requests and data management to ensure seamless frontend-backend communication.

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

WePlanIT *Streamlining software projects with customizable workflows, task assignments, and progress tracking*

- Developed and improved front-end features using React.js, integrated Ant Design (antd) components, and utilized Chart.js for data visualization.

- Used React and Redux for state management in the application along with the use of React Hooks.

- Built robust backend services and APIs with Node.js and Express.js.

- Designed and implemented MongoDB schemas using Mongoose for efficient data storage and retrieval.

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

Wil Portfolio *Portfolio Management System*

- Designed and implemented a user-friendly web interface that showcases project data, including descriptions and images.

- Incorporated filters for efficient project categorization by domains.

- Developed project detail pages featuring comprehensive descriptions, multiple images, and a downloadable project details button.

- Enhanced user experience with a dropdown menu on the homepage for multi-select project downloads.

- Using Jest, a React UI testing framework, to write and execute efficient test cases, enhancing application performance, and ensuring robust UI component 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*

- Developed 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 **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