KIRTESH SOJITRA

Frontend Developer | Full Stack Developer | JavaScript Developer | ReactJS Developer | BI Stack Developer

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Portfolio: https://kirteshsojitra.netlify.app

Introduction

Detail-oriented and innovative software developer with a strong foundation in React.js and the MERN stack. Experienced in developing robust and user-friendly web applications and leading project teams in a startup environment, where I honed my skills in front-end and back-end development. Recently completed master's in computer science from Lakehead University, Thunder Bay Ontario, I bring a well-rounded technical background with a strong focus on mathematics, database management, and full-stack development. Eager to leverage my expertise to create efficient, scalable, and data-driven solutions.

Professional Summary

- Designed and implemented dynamic, responsive, and user-friendly web applications leveraging React.js. Expertise in hooks, context API, Redux, and component-based architecture for scalable front-end development.
- Proficient in optimizing application state with tools like Redux, Zustand, and React Query for seamless data flow and efficient UI rendering.
- Skilled in implementing advanced React patterns, including Higher-Order Components (HOCs), Render Props, and Compound Components for reusable and scalable designs.
- Created custom hooks to encapsulate business logic, simplify state management, and enhance code reuse across large-scale applications.
- Experienced in utilizing React Server Components to optimize server-side rendering for improved performance and SEO.
- Optimized large React applications by preventing unnecessary re-renders through effective use of React.memo, useMemo, and useCallback.
- Reduced application size using Webpack and Vite, configuring tree-shaking and code-splitting for faster load times.
- Enhanced application performance with code-splitting, lazy loading, and advanced React patterns to ensure fast and smooth user experiences.
- Built and integrated RESTful and GraphQL APIs with front-end applications, ensuring efficient data communication and API error handling.
- skilled in implementing component libraries like Material-UI, Ant Design, and Chakra UI for consistent and accessible design systems.
- Proficient in Node.js, Express.js, and MongoDB for building scalable, secure, and high-performing backends.
- Expertise in NoSQL (MongoDB) and relational databases (MySQL, PostgreSQL), ensuring data integrity, performance optimization, and security.
- Deployed full-stack applications on cloud platforms like Azure and AWS, implementing CI/CD pipelines for continuous deployment and automated testing.
- Designed and implemented scalable APIs, including secure user authentication with OAuth and JWT for robust back-end solutions.
- Provided comprehensive support for data pipelines, from backend architecture to front-end visualization.
- Expertise in optimizing server-client communication, ensuring robust security and performance in full-stack applications.
- Diagnosed and resolved complex database and application performance issues to maintain system reliability.
- Integrated custom themes using styled-components and Emotion, adhering to design systems like Tailwind CSS and Material Design.
- Built reusable and accessible components (e.g., modals, dropdowns, carousels) with a focus on interactivity and responsiveness.
- Expertise in handling forms and validations using libraries like Formik, React Hook Form, and Yup, ensuring a seamless user experience.
- Developed real-time features like chat applications and live notifications using libraries like Socket.io integrated with React components.

- Handled dynamic data updates using server-sent events and react, maintaining a responsive user interface.
- Built fully accessible applications adhering to WCAG standards, leveraging ARIA roles and semantic HTML within React.
- Skilled in creating dark mode and theme-switching functionality using CSS variables and state management in React apps.
- Proficient in managing complex animations and transitions in React applications using Framer Motion and React Spring to elevate user interaction.
- Proficient in implementing drag-and-drop functionality using libraries like React DnD and React Beautiful DnD to enhance interactivity.
- Expertise in building and deploying serverless React applications using tools like AWS Amplify and Netlify for simplified cloud hosting.
- Built high-performance interactive maps and geolocation features using React Leaflet and Google Maps API.

Work Experience

Full Stack Developer at Infilon Technologies Private Limited, **Ahmedabad, Gujarat, January, 2022- Jun, 2022.**

MERN Stack Developer at Inficlouds Private Limited, **Ahmedabad, Gujarat, July, 2022- August, 2022.**

React JS Developer at Spectus Infotech, **Ahmedabad, Gujarat, September, 2022- Jun, 2023.**

Skills: React.js, Redux, Redux Toolkit, Context API, React Hooks, JSX, React Router, Styled-Components, Material-UI, Ant Design, Firebase, TypeScript, Bootstrap, Tailwind CSS, REST APIs, GraphQL, WebSockets, Socket.io, Jest, React Testing Library, ES6+, Git, Node.js, Express.js, MongoDB, NPM, Responsive Design, OAuth, JWT, Vite and Webpack.

Projects

Simran k official – Spectus Infotech Private Limited

- Developed a full-stack web application for models to manage profiles, video calls, live sessions, and payment processing.
- Integrated Firebase for authentication and real-time database functionality.
- Implemented Agora SDK for seamless video calling and live streaming capabilities.
- Utilized Razorpay for secure payment processing and transaction handling.
- Designed and styled the application using Material-UI for a modern and responsive interface.
- Employed Redux for efficient state management across the application.
- Leveraged React.js to build dynamic, reusable, and scalable UI components.

Education

- **Master of science in computer science, Lakehead University 08/2023 - 09/2024**
  Courses: Machine learning and neural net, big data analysis, Mobile programming, AI for autonomous system, Data science, Natural language processing, Computing theory

- **Bachelors in Information Technology, SAL College of Engineering 06/2018 - 05/2022**
  Courses: Web development, Mathematics, Programming for problem solving, Probability and statistics, Data structure, Database management system, Object oriented programming, Discreate Mathematics, Operating system and visualization, Analysis and design of algorithm, cyber security, Computer Networks, Software engineering, Artificial Intelligence, Advanced web programming, Mobile application development, Internet of things, cryptography and network security, Applied machine learning, computer vision, Software project management, Agile development and ui/ux design, Internship/project.