**Avinash Potnuru  
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**Professional Summary**

Results-driven **UI Developer** with **5 years** of experience specializing in **React.js**, **Next.js**, **JavaScript**, and **TypeScript**. Skilled at building **scalable**, **high-performance**, and **responsive web applications** with expertise in **Redux Toolkit**, **Zustand**, **Tailwind CSS**, **Material UI**, and **Shadcn UI**. Possesses a strong understanding of **SSR**, **SSG**, **ISR**, and **CSR** for **performance** and **SEO** benefits. Proficient in **unit testing** with **Jest** and **React Testing Library**, implementing **JWT** and **OAuth2 authentication**. Experienced in **form validation**, **API integration**, and **state management** to ensure smooth and secure user experiences. Hands-on with **Agile methodologies**, **Git**, **GitHub**, **Bitbucket**, and **Jira** for effective **version control** and **teamwork**. Expert in **Web Performance Optimization**, **CI/CD pipelines**, **API Caching**, **Component Reusability**, **Cross-Browser Compatibility**, and **UI best practices**.

**Skills**

* **Frontend Technologies:** React.js, Next.js, JavaScript (ES6+), TypeScript, HTML5, CSS3
* **State Management:** Redux Toolkit, Context API, Zustand
* **UI & Styling:** Tailwind CSS, Material UI, Bootstrap, SASS/SCSS, Shadcn
* **Performance Optimization:** Code Splitting, Lazy Loading, Webpack, Lighthouse, CSR/SSR/SSG, Web Performance Optimization
* **API Integration:** REST API, Axios, React Query (useQuery), API Caching
* **Testing & Debugging:** Jest, React Testing Library
* **Authentication & Security:** JWT, OAuth, Social Logins (Google, Facebook)
* **Version Control & Tools:** Git, GitHub, VS Code, Jira, Agile & Scrum
* **Deployment & CI/CD:** Vercel, Netlify
* **Build Tools:** Webpack, Babel, npm, Yarn

**Work Experience**

**React Developer**  
*Wavetronic Solutions Pvt Ltd | June 2022 – Working*

* Designed and developed high-performance SPAs using **React.js and TypeScript** with a focus on scalability and maintainability.
* Implemented **Redux Toolkit & Context API** for state management, reducing API calls and improving application responsiveness.
* Developed and maintained reusable UI components using **Tailwind CSS and Material UI**, ensuring consistency and faster development cycles.
* **Built** reusable UI components with Tailwind CSS & Material UI, **accelerating feature delivery by 30%**.
* **Optimized** performance via code splitting & lazy loading, leading to **40% faster load times** and improved SEO.
* Integrated **Razorpay UPI** payments securely, optimizing the transaction flow with backend collaboration.
* Applied Code splitting and lazy loading to enhance page load speeds and SEO rankings.
* Collaborated with backend developers to optimize API performance and data caching strategies.

**UI Developer**  
*Advanced Infoscan Pvt Ltd | March 2020 – April 2022*

* Built responsive, interactive UI components using **React.js and Next.js**, ensuring seamless user experience.
* Designed and implemented custom component libraries with **Material UI and Tailwind CSS** to maintain design consistency.
* Integrated **REST API**s & **React Query (useQuery)** for optimized data fetching, reducing API response time by 30%.
* Implemented JWT-based authentication for secure user sessions and data protection.
* Worked with Figma & UI/UX designers to ensure pixel-perfect design implementation.
* **Optimized** performance using Webpack & Lighthouse audits, achieving **95+ Lighthouse scores** on multiple projects.
* Used Git & GitHub for version control, following Agile best practices for sprint planning and feature development.

**Projects**

**Babyshop E-Commerce Web App**

* **Technologies:** React.js, Next.js, Redux Toolkit, JavaScript, Tailwind CSS, Material UI
* Developed a feature-rich e-commerce platform for newborn baby products with a responsive UI and optimized user experience.
* Implemented JWT authentication for secure login and checkout.
* Reduced page load time by 40% using code splitting and lazy loading.
* Developed dynamic product filtering and search functionality to enhance user experience.

**RC Parish Website and Dashboard**

* **Technologies:** React.js, TypeScript, Zustand, Tailwind CSS, Shadcn UI, HTML5, CSS3
* Spearheading the modernization of the parish website, migrating from a legacy tech stack to React.js for improved performance, maintainability, and user experience.
* Designed and developed a responsive web interface to boost community engagement through accessible digital features.
* Created modular sections for Mass schedules, sacraments, events, and community updates with dynamic rendering.
* Applied React Router and TypeScript-based routing structure to ensure seamless navigation and robust code quality.
* Implemented type-safe form handling with React Hook Form and Zod for robust validation and improved developer experience.
* Optimized routing and layout using React and TypeScript to ensure consistent UX across devices.
* Enhanced SEO and performance with best practices like code splitting, lazy loading, and minimal DOM reflows.

**Activity Tracker**

* **Technologies:** React.js, Next.js, Redux, TypeScript, Tailwind CSS, Material UI, Figma
* Developed an employee activity tracking system with real-time data updates and role-based access control.
* Designed 20+ responsive pages, ensuring pixel-perfect UI from Figma designs.
* Implemented JWT authentication and Single Sign-On (SSO) for secure user access.
* Reduced API calls by 20% using optimized Redux Toolkit state management.
* Implemented data visualization features using Recharts for interactive analytics.

**Feu Restaurant Booking & Food Ordering Website**

* **Technologies:** Next.js, JavaScript, Redux Toolkit, HTML5, CSS3
* Developed a full-featured and responsive restaurant website to showcase culinary offerings and streamline customer interactions.
* Displayed categorized **food items** with images, descriptions, and prices to help users explore the menu easily.
* Designed a dedicated section to introduce the **head chef** and kitchen team, enhancing the restaurant's brand story.
* Created a dynamic **photo gallery** to showcase the restaurant's ambiance, seating areas, and special events.
* Implemented a **slot booking system** for breakfast, lunch, and dinner with calendar-based availability selection.
* Integrated **food ordering functionality**, allowing users to select items, add to cart, and complete orders through the site.
* Managed global state for cart, booking, and user interactions using **Redux Toolkit** for scalable performance.
* Ensured responsive design and smooth navigation across devices using HTML5 structure and clean CSS styling.

**Education**

**Bachelor of Technology (B.Tech) in Mechanical Engineering**  
Sri Sivani College of Engineering, India | 2012 – 2016