

SANJAY KUMAR S R

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PROFESSIONAL SUMMARY

Experienced **Application Developer** with **4.1+ years of expertise** in building scalable, user-centric web applications using **React JS, TypeScript, and Next.JS**. Skilled in developing **responsive web pages**, implementing **Web UX patterns**, and optimizing web performance. Adept at **building and maintaining frontend libraries** while collaborating with **cross-functional teams** to deliver seamless user experiences. Proficient in **lazy loading, code splitting, and bundling** with expertise in **state management and RESTful API integration** for enhanced efficiency and scalability. Well-versed in **Web Accessibility (A11Y) principles** and experienced across all phases of the **Software Development Life Cycle (SDLC)**. Committed to writing **clean, maintainable, and production-ready code** with **high unit test coverage**, ensuring **inclusive, scalable, and high-quality solutions** using modern technologies.

TECHNICAL SKILLS

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|---|---|
| Programming Languages | : JavaScript (ES6+), Typescript, HTML, CSS, Java. |
| Frameworks & Libraries | : React JS, Next.JS, TanStack (React Query), Redux Toolkit, Context API, Spring Boot. |
| UI & Styling | : Material UI, Tailwind CSS, Sass, Emotion CSS, Styled Components. |
| Testing Libraries | : Jest, React Testing Library. |
| Tools | : Vite, Webpack, Storybook, Docker, Figma. |
| Package Managers & Version Control | : NPM, Yarn, Git, GitHub, Bitbucket. |

WORK EXPERIENCE

Unisys India Private Limited.

Application Development Engineer.

Jun 2023 – Present, Bangalore.

Project: Airline Retailing.

Responsibilities:

- **Designed** a modern, responsive, and user-friendly web application, reducing page load time by 25% and **displaying IATA Airline Retailing Order View RS (version 21.3.4)** data in a structured, user-friendly format based on user requests.
- Built an end-to-end order creation flow with step-by-step progress indicators, implementing **Formik** for dynamic form validation and ensuring accurate **XML data submission on the NDC client** platform.

Project: Digital Engineer – Chat UI & Admin UI.

Responsibilities:

- Configured **Vite.js** for development, testing, and production environments, reducing

build time by **45%** and **deployed applications to Azure** with **Docker images** for efficient multi-stage deployment.

- Designed and developed an **AI-driven chat interface using Next.js**, integrating the **useChat AI/React Vercel SDK** to deliver document-based responses while crafting a user-focused **UX in Figma** to ensure an intuitive and engaging Chat UI experience.
- Optimized application performance by **reducing API load times** and **implementing feedback logic** to improve response accuracy and user satisfaction. Also, architected a robust solution for **chat history management**, ensuring seamless data persistence.

Project: Unisys Framework – UI UX Framework.

Responsibilities:

- Developed a **React-based Web Component Library** with **75+ reusable components**, improving flexibility and reusability. Documented component properties, usage and types in **Storybook** for clear and effective guidelines for developers.
- Built a comprehensive web application to demonstrate the react web component library for both **Web and Mobile (Native and Native Templates)**.
- Implemented a **Global Theme** setup for user customization and making it easier for users to create and personalize themes and integrated **Jest** with **React Testing Library**, writing extensive unit tests to ensure high code quality, reliability, and performance.

Harlalka Services India Private Limited.

Front End Developer.

Oct 2021 – Jun 2023, Bangalore.

Project: VMware CSP Market Place (Client: VMWare).

Responsibilities:

- Wrote well-abstracted, efficient, reusable, and high-performance code for **UI components**, optimized for fast load times and minimal network requests.
- Established **form validation, error handling, and form factor validations** using both functional and class components for a VMware solution, and managed **version control, platform integration, and EULA agreements** for VMware validated solutions.
- Enhanced UI components utilizing the **VMware Clarity Design System** and showcased them with **Storybook**.
- Improved application responsiveness and achieved **80% accessibility** for screen readers by adhering to **WCAG 2.0 (Web Content Accessibility Guidelines)** standards. Proactively debugged and resolved issues in the **publisher module**, ensuring **high code quality and performance**.

EDUCATION

Bachelor of Engineering in Computer Science from T John Institute of Technology, **2020**.

PUC (Science - PCME) from Vijaya Pre-University College, **2016**.

SSLC from Sri Vinayaka Sunrise English School, **2014**.