

SANJAY KUMAR S R

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PROFESSIONAL SUMMARY

- Experienced **Frontend Developer** with **4.1+ years of expertise** in developing **scalable**, user-centric **web applications** using **React.js**, **TypeScript**, **JavaScript (ES6+)**, and **Next.js**.
- Proficient in **UI/UX design** and **web performance optimization**, building responsive and accessible UIs with **HTML5**, **CSS3**, and **modern web technologies**.
- Skilled in **RESTful API integration** for seamless backend communication in **microservices-based architectures**, with strong experience in **state management** using **Redux Toolkit**, **Context API**, and **React Query**.
- Expertise in architecting and maintaining **component libraries** following **UI design systems**, implementing **lazy loading**, **code splitting**, and **bundling** for enhanced performance and maintainability.
- Well-versed in **Web Accessibility (A11Y) principles** and **WCAG 2.0** guidelines, ensuring inclusive user experiences across devices and browsers.
- Experienced in **Agile/Scrum methodologies**, participating in all phases of the **Software Development Life Cycle (SDLC)** and working closely with cross-functional teams.
- Passionate about writing **clean, testable, and reusable code**, with a focus on **performance optimization**, **developer productivity**, and delivering **production-ready applications**.

TECHNICAL SKILLS

Programming Languages	: JavaScript (ES6+), Typescript, HTML, CSS, Java.
Frameworks & Libraries	: React JS, Next.JS, TanStack Query, Redux Toolkit, Context API, Spring Boot.
UI & Styling	: Material UI, Tailwind CSS, Sass, Styled Components.
Testing & Accessibility	: Jest, React Testing Library, Non-Visual Desktop Access (NVDA Accessibility), WCAG 2.0.
Build & Other Tools	: Vite, Webpack, Storybook, Docker, Figma, CI/CD, Postman, Microservices.
Version Control & Package Managers	: NPM, Yarn, Git, GitHub, Bitbucket.

WORK EXPERIENCE

Unisys India Private Limited.

Application Development Engineer.

Jun 2023 – Apr 2025, Bangalore.

Project: **Airline Retailing Platform**

- **Developed** responsive UI using **React.js** & **TypeScript** for displaying **IATA Airline Retailing Order View RS (version 21.3.4)** data.
- Reduced page load time by **25%** via **code splitting**, **lazy loading**, and **performance optimizations**.
- Built an end-to-end order creation flow with **progress indicators**, and ensuring

accurate **XML data submission on the NDC client** platform.

Project: **AI-Powered Chat UI & Admin UI (Digital Engineer)**

- Configured **Vite.js** for optimized build, reducing build time significantly by **45%** and **deployed applications** to **Azure** with **Docker images** for efficient multi-stage deployment.
- Designed and built a **conversational chat interface** using **Next.js** and **useChat Vercel's React SDK** for document-based responses.
- Enhanced performance by **reducing API load times** and implementing **feedback logic** to improve response accuracy and user satisfaction, architecting a robust solution for **chat history management**.

Project: **Unisys Component Library (UI UX Framework)**

- Architected and maintained a scalable **design system (component library)** with **75+ reusable, accessible components**, while following best **UI architecture** practices.
- Integrated **Storybook** for live component documentation and automated testing with **Jest/RTL**.
- 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.
- Participated in regular **peer code reviews** to ensure adherence to coding standards, improve code quality, and maintain consistency across the shared component library.

Harlalka Services India Private Limited.

Frontend Developer.

Oct 2021 – Jun 2023, Bangalore.

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

- Wrote well-structured, efficient, responsive, and reusable **UI components** using **React.js, HTML5, and CSS3**, ensuring **high performance, scalability**, and adherence to **best practices**.
- Implemented **form validation** and **error handling** using functional and class components for a VMware solution, while managing **version control** and **EULA agreements**.
- Leveraged **VMware Clarity Design System** and documented components with **Storybook**.
- Improved accessibility to **80% WCAG** compliance with NVDA testing and A11Y best practices and NVDA testing, proactively **debugging** and resolving issues in the **publisher module** to ensure high code quality and performance.
- Actively involved in **reviewing pull requests**, identifying performance issues and recommending best practices to maintain scalable and maintainable codebases across modules.

EDUCATION

Bachelor of Engineering (B.E.) – Computer Science

T John Institute of Technology, Bangalore – 2020.

PUC (Science - PCME)

Vijaya Pre-University College, Bangalore – 2016.

SSLC (10th STD)

Sri Vinayaka Sunrise English School, Bangalore – 2014.