SANJAY KUMAR S R

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PROFESSIONAL SUMMARY

Experienced **Application Developer** with **3.8+ years of expertise** in building scalable, user-centric web applications using **React JS**, **TypeScript**, and **Next.JS**. Skilled in **state management**, performance optimization, and creating reusable component libraries. Familiar with **Web Accessibility (A11Y)** principles and experience across all phases of the **Software Development Life Cycle (SDLC)**. Passionate about enhancing developer productivity, implementing robust **testing practices**, and delivering inclusive, **maintainable**, and **scalable solutions** using modern technologies.

TECHNICAL SKILLS

Programming Languages	:	JavaScript, HTML, CSS, Java.
Framework & Libraries	:	React JS, TypeScript, TanStack Query (React Query), Redux, Context API, Vite, Material UI, Next JS, Sass, Emotion CSS, Styled Components, Tailwind CSS, Spring Boot.
Tools	:	Webpack, Storybook, Docker, Figma
Package Managers	:	NPM, Yarn

WORK EXPERIENCE

Unisys India Private Limited.

Application Development Engineer.   Jun 2023 – Present, Bangalore.

Project: Airline Retailing.
Responsibilities:

- Created **API endpoints** to retrieve **IATA Airline Retailing Order View RS** (version **21.3.4**) data.

- Displayed the complete **Order View** data in the UI based on user requests, presenting it in a structured and user-friendly format.

Project: Digital Engineer – Chat UI & Admin UI.
Responsibilities:

- Configured custom **Vite.js environments** for development, testing, and production, **deployed applications to Azure**, and **created Docker images** for efficient multi-stage deployment.

- Designed 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**, enhancing flexibility, reusability. Documented component properties, and types in **Storybook** for clear and effective documentation.

- Built a comprehensive web application to demonstrate the react web component library, covering both **Web and Mobile (Native and Native Templates)** components, with detailed usage, and properties.

- 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**.

- Ensured application **responsiveness** and achieved **80% accessibility** for screen readers, adhering to **WCAG 2.0 (Web Content Accessibility Guidelines)** standards. Wrote comprehensive **Unit Tests for UI** code using React Testing Library and Enzyme, achieving 85%-100% test coverage, and actively **debugged** and **fixed issues** in the publisher module to maintain high code quality.

Sixth Circle Technologies Pvt Ltd.

Full Stack Web Developer.   Feb 2021 – Sep 2021, Bangalore.

Project: Custom Local Retail Market Aggregator Platform (Custom LMAP).
Responsibilities:

- Designed **PostgreSQL** database schemas, managing complex operations seamlessly for **products** and **stock** tables.

- Generated **views**, **serializers**, and **models** for **Product** and **Order models** in the backend using **Python**, **Django**, and **Django Rest Framework**. Executed full-stack development of UI screens, ensuring seamless integration with tested API.

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**.