SANJAY KUMAR S R

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PROFESSIONAL   SUMMARY

- Experienced **Application Developer** with **4 years of expertise** in building **enterprise-grade applications** using **React.js, TypeScript, and Next.js** in Agile environments.
- Skilled in designing and implementing **scalable design systems** and **reusable component libraries**, converting wireframes into **pixel-perfect**, **responsive**, **cross-browser compatible**, and following UI/UX best practices and **WCAG 2.0 (A11Y)** standards.
- Proficient in **state management** with Redux Toolkit, **Tanstack Query**, and **Context API**, integrating **RESTful APIs** into full-stack workflows for **robust and scalable solutions**.
- Strong in **performance optimization** techniques (*lazy loading, code splitting, image optimization, SEO improvements, and Lighthouse audits*) with bundling tools like **Webpack** and **Vite**.
- Experienced across the **full SDLC from planning to deployment**, working in **monolithic** and **microservices architectures** with **Agile/Scrum methodologies.**
- Adept in **unit and integration testing** with **Jest and React Testing Library**, applying **Test-Driven Development (TDD)** for **high-quality**, **production-ready code** with strong test coverage.
- Hands-on with **CI/CD pipelines** and **Docker** for containerization, and **NGINX** for optimized **deployment**, **scalability**, and **system reliability**.

TECHNICAL SKILLS

Programming Languages	: JavaScript (ES6+), Typescript, HTML, CSS.
Frameworks & Libraries	: React JS, Next.JS, Redux Toolkit, Tanstack Query, Context API.
UI & Styling	: Tailwind CSS, ShadCN UI, Material UI, Styled Components, SASS/SCSS.
Testing & Accessibility	: Jest, React Testing Library, WCAG 2.0, Non-Visual Desktop Access (NVDA Screen Reader).
Databases	: MySQL, MongoDB, PostgreSQL.
Build & Other Tools	: Vite, Webpack, Storybook, Docker, NGINX, Figma, Postman.
Version Control & Package Managers	: Git, GitHub, Bitbucket, NPM, Yarn.

WORK EXPERIENCE

Russell Tobin Associates Staffing Solutions (Client: **Morgan Stanley — ETS Team)**

Senior Application Development Engineer   May 2025 – Sept 2025, Bangalore.

Project: **Tech Events Portal**

- Architected a scalable **event management platform** with modular, accessible components using **ShadCN UI**, boosting development speed and UI consistency.

- Built a dynamic **multi-step event form** *(20+ fields and conditional logic)* with **React Hook Form and Zod**, achieving **100% validation coverage** and reducing submission errors.
- Optimized **API efficiency** with **TanStack Query** *(data fetching, caching, and reduced redundant requests)* for faster load times and implemented **role-based access control** with **protected routes** to enable **secure, permission-based CRUD operations**.
- Enhanced **event discoverability and user experience** with **dynamic calendar & list views**, advanced **client-side filters (debounced search, date, location)**, and **CSV export functionality** for events and user data.

Unisys India Private Limited.

Application Development Engineer.   Jun 2023 – Apr 2025, Bangalore.

Project: **Airline Retailing Platform**
- Developed a real-time **airline order tracking** UI using **React.js & TypeScript**, integrating with **backend APIS built on Java and Spring Boot**, to implement **IATA Airline Retailing Order View RS (version 21.3.4).**
- **Collaborated with backend team** to design and deliver RESTful services within a **microservices architecture,** enabling 100+ users to seamlessly visualize and validate order status with accurate XML validation.
- Improved page **load time** by 25% by implementing **route-based lazy loading** and dynamic **code splitting**.
- **Mentored two junior engineers** on **Webpack**, empowering them to independently deliver UI modules — resulting in a 30% reduction in sprint UI delivery time.
- **Created** a structured **airline order workflow** with integrated **progress tracking**, enhancing data accuracy and reducing XML submission errors on the **NDC client platform**.

Project: **AI-Powered Conversational Chat UI & Admin UI (Digital Engineer)**
- **Optimized build using Vite.js**, reducing build time by 45% and deployed apps to **Azure** using **Docker** multi-stage builds, streamlining the CI/CD process in close collaboration with the DevOps team.
- Developed a real-time **AI-powered conversational chat interface** using **Next.js** and **Vercel's useChat SDK**, handling 1K+ daily messages and improving response accuracy by 40% after **API tuning** with backend engineers.
- **Enhanced API response** time by 2 seconds with **React Query** caching/retries and boosted **Customer Satisfaction (CSAT) score by 15%** through a feedback system.

Project: **Unisys Component Library (UI UX Framework)**
- Delivered a React-based **design system (component library)** with **75+ reusable, WCAG-compliant** UI components, run as an **internal open-source** initiative to drive **cross-team adoption** and reduce UI development time.
- Integrated **Storybook** as a central hub for live component documentation, paired **with Jest + React Testing Library** to ensure **quality and usability standards**, and **created cross-platform demo apps** *(Web & React Native)* to showcase component usage to internal teams and stakeholders.
- Built **global theming** support for user-level customization, simplifying theme creation and brand personalization across applications.

- Acted as **Scrum Master** while contributing as a frontend developer; facilitated sprint planning and stand-ups, unblocked dependencies early, and **conducted peer code reviews** — resulting in a 20% increase in team velocity and improved consistency across UI modules.

Harlalka Services India Private Limited (Client: **VMWare)**

Frontend Developer.   Oct 2021 – Jun 2023, Bangalore.

Project: **VM Ware CSP Market Place**
- Developed responsive and reusable **UI components** using **React.js, HTML5, and CSS3**, enhancing performance and maintainability across key modules.
- Implemented **form validation** and **error handling** across both class and functional components for **version control** and **EULA** flow, improving input reliability.
- Used **VMware Clarity Design System** with **Storybook** to document shared components.
- Improved **accessibility compliance** using **NVDA and WCAG 2.0 standards** — raised adherence from 50% to 80% by resolving 100+ **ARIA** and **contrast issues**, enhancing screen reader usability.
- **Debugged and resolved critical issues** in the publisher module, resulting in higher code quality and improved overall application performance.
- Participated in **Agile sprint cycles**, delivering incremental features and fixes while adhering to full **SDLC practices**.

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.