

# SANJAY KUMAR S R

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## PROFESSIONAL SUMMARY

Front-End Developer with **4 years of experience** building scalable, high-performing **React.js applications** using TypeScript, Next.js, and modern **UI frameworks** in **Agile Software Development/Scrum environments**. Skilled in **HTML5, CSS3, responsive design, REST API integration, debugging, web performance optimization, and design patterns**. Experienced in creating **reusable component libraries**, translating **wireframes and Figma design** into **pixel-perfect, component-driven architectures** following UX/UI best practices. Proficient in **Lighthouse audits, Core Web Vitals monitoring**, and delivering production-ready code with comprehensive test coverage. Strong in **analytical and problem-solving**, with a focus on scalable **front-end architecture, cross-team collaboration**, and continuous adopting modern **JavaScript** and **React ecosystem practices**.

## TECHNICAL SKILLS

**Frontend:** React JS, Typescript, Next.js, JavaScript (ES6+), HTML, CSS

**State Management:** Redux Toolkit, TanStack Query, Context API

**UI Libraries & Styling:** Tailwind CSS, ShadCN UI, Material UI, Styled Components, SCSS

**Accessibility & Performance:** WCAG, NVDA Screen Reader, SEO, Lazy Loading, Code Splitting, Web Vitals, Lighthouse

**Testing:** Jest, React Testing Library, Storybook, Test-Driven Development (TDD)

**Tools & DevOps:** Vite, Webpack, Figma, Postman, Docker, NGINX, CI/CD, Azure

**Databases:** MongoDB, MySQL, PostgreSQL

**Version Control & Package Managers:** Git, GitHub, Bitbucket, NPM, Yarn

## PROFESSIONAL EXPERIENCE

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

Senior Application Development Engineer | May 2025 — Sept 2025, Bangalore.

- Architected **Tech Events Portal**, a scalable event management platform using React.js, Typescript, ShadCN UI, and Design Patterns, delivering an accessible UI compliant with **WCAG 2.0 standards** and following UI/UX best practices to enhance component reusability, responsive design and UI consistency.
- Developed a **multi-step event creation form** using **React Hook Form + Zod** with full validation, reducing submission errors by 30%.
- Optimized **RESTful API performance** using **TanStack Query caching** and implemented calendar & list views with interactive, data-driven filters.

### Unisys India Private Limited

Application Development Engineer | Jun 2023 — Apr 2025, Bangalore.

- Engineered **Airline Retailing Platform**, a real-time airline retailing order tracking UI (**IATA Airline Retailing Order view RS v21.3.4**) using React.js, TypeScript, and RESTful API integration, ensuring efficient data handling.
- Improved Web Performance by 25% through route-based lazy loading, code splitting and improved component rendering techniques.
- Collaborated with backend engineers and product teams to deliver scalable front-end solution 15% faster, ensuring alignment with Industry Trends.
- Built **AI-Powered Conversational Chat UI** using Next.js and **vercel SDK useChat**, handling

1K+ daily messages, improving analytical performance metrics by 2 seconds using caching and retries.

- Delivered **Unisys Component Library**, an internal **React based component library** with 75+ WCAG 2.0-compliant components, showcased and documented in Storybook.
- Mentored **2 junior engineers** on Webpack and modular architecture, resulting in a 30% reduction in sprint UI delivery time.
- Acted as Scrum Master while contributing as a frontend developer; facilitated sprint planning, resolving cross-team dependencies, conducting **peer code reviews**, improving team delivery efficiency by 20%.

## Harlalka Services India Private Limited (Client: VM Ware)

Frontend Developer | Oct 2021 — Jun 2023, Bangalore.

- Developed **VMWare CSP Marketplace**, building responsive and reusable UI modules using React.js, HTML5, and CSS3, and integrating the **VMware Clarity Design System** with Storybook to document shared components.
- Migrated **class-based components to functional components** and added form validation and error handling, and coding standards, improving maintainability and frontend reliability.
- Enhanced accessibility compliance by implementing WCAG 2.0 standards and **NVDA screen reader testing**, increasing adherence from 50% to 80% by resolving over 100+ **ARIA and color contrast issues**.
- Debugged and resolved critical issues in the publisher module while actively contributing to Agile sprint cycles and following full Software Development Life Cycle (SDLC) practices.

## PROJECTS

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**My Portfolio — Live:** [sanjay-dev-beta.vercel.app](https://sanjay-dev-beta.vercel.app)

Personal portfolio showcasing myself, skills, work experience, and projects.

**AI Studio Verse — Live:** [ai-studio-verse.vercel.app](https://ai-studio-verse.vercel.app)

AI Studio Verse is an AI-powered platform for text generation, image analysis, and conversational AI, enabling seamless integration of artificial intelligence in front-end workflows.

**TravelGenie.AI — Live:** [travel-genie-ai-gem.vercel.app](https://travel-genie-ai-gem.vercel.app)

TravelGenie.AI is Smart travel itinerary generator using Gemini 1.5 Flash AI.

## EDUCATION

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**Bachelor of Engineering (B.E) — Computer Science**

T John Institute of Technology, Bangalore – 2020.

## CERTIFICATIONS

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**Introduction to Generative AI** — Google Cloud Skills Boost (Sep 2025)

**Next.js Development** — GeeksforGeeks (Sep 2025)

**Frontend Developer React** — HackerRank (Dec 2023)