

SANJAY KUMAR S R

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PROFESSIONAL SUMMARY

- Experienced **Application Developer** with **4 years of expertise** in building **enterprise-grade, high-performing web applications** using **React.js, TypeScript, and Next.js** in **Agile/Scrum** environments.
- Skilled in designing and implementing **scalable design systems** and **reusable component libraries**, transforming **wireframes into pixel-perfect, responsive UIs**, following **UI/UX best practices**, and ensuring **WCAG 2.0 (A11Y)** compliance.
- Proficient in **state management** using **Redux Toolkit, TanStack Query, and Context API**; **adept at integrating RESTful APIs** into **component-driven architectures** for maintainable, scalable solutions.
- Strong in **performance optimization** techniques such as **lazy loading, code splitting, image optimization, SEO enhancements, and Lighthouse audits**, leveraging **Webpack, Vite, and modern JavaScript (ES6+)** for optimized delivery.
- Hands-on with **CI/CD pipelines, Docker** for containerization, and **NGINX** for deployment; adept in **unit testing** and **Test-Driven Development (TDD)** using **Jest and React Testing Library** to ensure **high-quality, production-ready code** with strong **test coverage**.

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.
- Developed a dynamic **multi-step event form** using **React Hook Form and Zod**, ensuring 100% validation coverage, reducing submission errors, and improving user experience across desktop and mobile.
- Optimized **frontend performance** using **TanStack Query** for efficient **API fetching**

and caching; implementing **dynamic calendar/list views** and **client-side filters** improving load times and user engagement.

Unisys India Private Limited.

Application Development Engineer.

Jun 2023 – Apr 2025, Bangalore.

Project: Airline Retailing Platform

- Developed a real-time **airline order creation and tracking UI** for the Iberia Airline agent using **React.js** and **TypeScript**, retrieving **IATA Airline Retailing Order View Response Schema (version 21.3.4)**.
- **Collaborated with backend engineers** to design and deliver **RESTful APIs** within a **microservices architecture**, enabling 100+ users to efficiently create orders and retrieve order status.
- Improved page **load performance by 25%** through **route-based lazy loading** and **dynamic code splitting**.
- **Mentored 2 junior engineers** on **Webpack** and modular UI modules, resulting in a 30% reduction in sprint UI delivery time.

Project: AI-Powered Conversational Chat UI (Digital Engineer)

- Built a real-time **AI-powered conversational chat interface** using **Next.js** and **Vercel useChat SDK**, handling **1K+ daily messages** and displaying responses with proper **citations** from source documents to ensure accurate and traceable information.
- **Enhanced API response time by 2 seconds** with **React Query** caching/retries and boosted **Customer Satisfaction (CSAT) score by 15%** through a feedback system.
- Optimized build size and streamlined **CI/CD deployments** by using **Docker multi-stage builds** and deploying applications to **Azure** in close collaboration with the **DevOps team**.

Project: Unisys Component Library (UI UX Framework)

- Delivered a React-based internal **component library (npm package / design system)** with **75+ reusable, WCAG-compliant** UI components, reducing UI development time and driving cross-team adoption.
- **Showcased components in Storybook** for live documentation and demonstrations, paired with **Jest** and **React Testing Library** to ensure quality, usability, and cross-platform consistency.
- 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. Utilized **VMware Clarity Design System** with **Storybook** to document shared components.
- **Converted class-based components to function-based components** and implemented **form validation** and **error handling** for **version control** and **EULA workflows**,

improving frontend reliability and user input accuracy.

- **Enhanced accessibility compliance** following **WCAG 2.0 standards** and **NVDA screen reader testing**, increasing adherence from **50% to 80%** by resolving 100+ **ARIA** and contrast issues.
- **Debugged and resolved critical issues** in the publisher module while participating in **Agile sprint cycles** and following full Software Development Life Cycle practices, improving code quality and overall performance.

PROJECTS

My Portfolio | React.js, TypeScript, ShadCN UI, Tailwind CSS, Vite | sanjay-dev-beta.vercel.app

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

AI Studio Verse | React.js, ShadCN UI, Tailwind CSS, Gemini 1.5 Flash AI | ai-studio-verse.vercel.app

AI Studio Verse is an AI-powered platform for text generation, image analysis, and interactive chat, providing creators with a modern, responsive workspace for content creation and analysis.

TravelGenie.AI | | React.js, Material UI, Tailwind CSS, Gemini 1.5 Flash AI | travel-genie-ai-gem.vercel.app

TravelGenie.AI is a smart travel platform powered by Gemini 1.5 Flash AI, generating personalized itineraries with optimized activities and real-time recommendations based on destination, dates, budget, and interests.

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.

CERTIFICATIONS

- ✓ Introduction to Generative AI – *Google Cloud Skills Boost* | Sep 2025
- ✓ Next.js Development – *GeeksforGeeks* | Sep 2025
- ✓ Frontend Developer (React) – *HackerRank* | Dec 2023