

# SANJAY KUMAR S R

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## PROFESSIONAL SUMMARY

- **Experienced Application Developer** with **4 years** of expertise in building enterprise-grade applications, specializing in **frontend development (React.js, TypeScript, Next.js)** while also contributing to backend development using **Java (Spring Boot, REST APIs)**.
- Skilled in designing and implementing **scalable design systems** and **reusable component libraries**, converting wireframes into **pixel-perfect, responsive, cross-browser compatible, and accessible UIs** following **UI/UX best practices and WCAG 2.0 (A11Y) standards**.
- Proficient in **performance optimization techniques** including lazy loading, code splitting, image optimization, **SEO improvements**, and **Lighthouse audits**, with strong experience in **bundling tools** like Webpack and Vite.
- Strong command over **state management** with Redux Toolkit, React Query/Tanstack Query, and Context API, integrating **RESTful APIs** into full-stack workflows for robust and scalable solutions.
- Backend exposure includes developing **REST APIs** using **Java and Spring Boot**, ensuring smooth **frontend-backend integration** in full-stack application workflows.
- Experienced across the **full SDLC** from planning to deployment in both monolithic and microservices architectures, following **Agile/Scrum** methodologies and **component-driven frontend design principles**.
- Adept in **unit and integration testing** using **Jest** and **React Testing Library**, applying **Test-Driven Development (TDD)** practices to deliver **secure, high-quality, production-ready code** with strong test coverage.
- Hands-on knowledge of **CI/CD pipelines** and **Docker for containerization** to ensure efficient deployment, scalability, and system reliability.

## TECHNICAL SKILLS

Programming Languages	: JavaScript (ES6+), Typescript, HTML, CSS, Java.
Frameworks & Libraries	: ReactJS, NextJS, Redux Toolkit, Tanstack Query, Context API, Spring Boot.
UI & Styling	: Tailwind CSS, ShadCN UI, Material UI, Styled Components, Sass.
Testing & Accessibility	: Jest, React Testing Library, WCAG 2.0, Non-Visual Desktop Access (NVDA Screen Reader).
Databases	: MySQL, Mongo DB, PostgreSQL.
Build & Other Tools	: Vite, Webpack, Storybook, Docker, Azure, Vercel, Figma, Postman.
Version Control & Package Managers	: Git, GitHub, Bitbucket, NPM, Yarn.

## WORK EXPERIENCE

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### Morgan Stanley (via Russell Tobin Associates Staffing Solutions).

Senior Application Development Engineer.

May 2025 – Present, Bangalore.

#### Project: Tech Events Portal

- Architected and delivered a scalable **event management platform** with modular, accessible components using **ShadCN UI**.
- Developed a dynamic, **multi-step event form** with 20+ fields with **React Hook Form and Zod** ensuring full validation and reducing submission errors.
- Optimized **API performance** with TanStack Query (caching, reduced redundant requests) and secured workflows through **role-based access control** with **permission-based CRUD operations**.
- Enhanced user experience with **dynamic calendar and list views, advanced filters, and CSV export** 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).
- Designed and implemented **REST APIs using Java (Spring Boot)** within a **microservices architecture**, enabling seamless frontend-backend integration for airline order workflows and supporting 100+ users with real-time order 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.
- **Validated session persistence** and chat flow logic with QA and built a robust **chat history management** feature to ensure consistent real-time user experience.

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** for live component documentation and paired it with **Jest + React Testing Library** to maintain test coverage and usability standards.
- Created and deployed demo apps for **Web and Mobile** (including **React Native Templates**) to showcase cross-platform 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.**

Frontend Developer.

Oct 2021 – Jun 2023, Bangalore.

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

- 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**.

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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.