

# Sanjay Kumar

## SDE III-Senior Frontend Developer

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### 👤 PROFILE

**Versatile and results-driven Full-Stack Developer** with over 7 years of hands-on experience delivering scalable web and mobile solutions across diverse domains such as SaaS, EdTech, EnergyTech, and TravelTech. Adept in both frontend and backend development with a deep command of the MERN and MEAN stacks, micro-frontend architectures, and cross-platform mobile app development.

Currently leading frontend and full-stack initiatives at **HighLevel** as an **SDE III**, owning critical product lines like a next-gen online education platform and a Canva-style Badge Builder. Proven track record of architecting WYSIWYG editors, implementing Module Federation, and converting web platforms into mobile apps using Capacitor—all while driving UX modernization, performance optimization, and accessibility.

A strong advocate of **AI-assisted development**, consistently integrating AI tools into workflows to **boost productivity, code quality, and delivery efficiency**. Whether streamlining development tasks, enhancing debugging processes, or accelerating prototyping, AI plays a pivotal role in driving smarter and faster outcomes.


Previously at **ReNew Power (Climate Connect Digital)**, led the full-stack development of a large-scale climate-tech platform using React, Next.js, Firebase, and GCP. Experienced in real-time data integration, SSR, authentication flows, and system interoperability.

Entrepreneurial and self-motivated, with several impactful side projects including a DMRV Web App for carbon verification, Carbon Credit Trading Platform, Khajuraho Expo Web Tour, and a Local Job Board (Hyre Me) with real-time features and notifications.

Known for a collaborative spirit, sharp problem-solving ability, and a commitment to continuous learning, with additional experience as a Full Stack Trainer mentoring aspiring developers. Skilled in TypeScript, Node.js, Micro Frontends, Firebase, WebSockets, Canvas APIs, and advanced UI libraries like GSAP and Three.js.

### 💻 WORK EXPERIENCE

07/2024 – Present  
Remote

**HighLevel**   
SDE Fullstack Developer

- Led the end-to-end frontend architecture and development for **two major product lines**—a next-gen **online education platform** (Courses) and a dynamic **credentials/badge builder**—designed for modularity, high customization, and premium user experience.
- Owned the **entire product lifecycle**, from greenfield development to production deployment, including UX overhauls, performance optimization, mobile adaptation, and feature extensibility.
- Designed and built the **Course Builder** and **Preview System** from scratch, introducing a real-time, WYSIWYG editor with responsive previews and device emulation.
- Championed **UX modernization**, completely revamping the user interface for higher engagement, smoother flows, and improved accessibility.
- Implemented **Module Federation** to support a **micro-frontend architecture**, allowing for scalable, independently deployable modules and faster iteration cycles.
- Developed a Canva-style **Badge Builder** using Canvas APIs and custom rendering tools, empowering educators to design branded certificates and achievement visuals.
- Rolled out extensive **theme customization features**, including support for multiple themes, visual branding tools, and mobile responsiveness.

- Enhanced platform accessibility through **multi-language subtitle support**, keyboard navigation, and screen-reader compatibility.
- Converted the entire web platform into a **Capacitor-based mobile app**, ensuring seamless cross-platform experience and parity in functionality.
- Collaborated across engineering (backend, mobile, DevOps), **product management, QA**, and **UI/UX teams** to drive alignment, streamline delivery, and troubleshoot cross-stack issues.
- Acted as **technical project owner**, mentoring peers, conducting reviews, coordinating with vertical teams, and ensuring high-quality releases.
- Actively explored and adopted **new technologies**, frameworks, and architecture patterns to continuously elevate the product stack.
- Delivered and shipped numerous high-impact features including multilingual support, threaded media-rich commenting, customizable themes, and course preview enhancements.
- Regularly drove performance and maintainability improvements through **codebase refactoring**, modularization, and strategic caching and rendering optimizations.

03/2023 – 07/2024  
Remote

#### **ReNew Power, Climate Connect Digital**

SDE 3 - Fullstack Developer

- Spearheaded the development of a large-scale project, overseeing its entire lifecycle from inception to completion.
- Utilized a diverse range of technologies, including React JS, Next JS, Zod, TypeScript, Firebase, Redux, Node, GCP, among others, to build a robust and dynamic application.
- Developed modular and reusable components using React JS, promoting code efficiency and maintainability.
- Implemented server-side rendering (SSR) with Next JS to optimize the application's initial load time and overall performance.
- Leveraged TypeScript to enhance code quality, reduce errors, and facilitate better collaboration within the development team.
- Successfully integrated realtime APIs from Firebase to enhance the project's functionality and provide a seamless user experience.
- Managed and optimized data storage and retrieval processes, ensuring efficient handling of large datasets.
- Implemented optimization strategies for enhanced performance, leveraging Next JS and server-side rendering (SSR) techniques.
- Designed and implemented authentication and authorization features using Firebase, ensuring secure access to the application's functionalities.
- Demonstrated proficiency in managing complex technical stacks and ensuring seamless interoperability between various technologies.
- Collaborated with UX/UI designers to implement responsive and user-friendly interfaces, enhancing the overall user experience.
- Conducted regular code reviews and implemented best practices to maintain a high standard of code quality throughout the development process.
- Collaborated with cross-functional teams to ensure effective communication and integration of components within the project architecture.
- Demonstrated adaptability by quickly learning and implementing new technologies to address evolving project needs.

09/2018 – 01/2023  
Indore, India

#### **Haspr**

Sr. Full-Stack Developer

- Designed and developed sophisticated web applications, emphasizing an optimal blend of user-centric design and robust functionality.
- Took charge of both front-end and back-end development aspects, ensuring a seamless integration that resonated with a developer's perspective.
- Strategically planned project milestones and deliverables, ensuring efficient project progression and timely completion of web development initiatives.
- Maintained a commitment to continuous learning and professional development, staying abreast of the latest tools, trends, and methodologies, including Next.js, PWA, and other cutting-edge technologies. Adopted new technologies to enhance project capabilities.

- Demonstrated adaptability by navigating challenges and evolving project requirements, showcasing the ability to thrive in the dynamic and fast-paced environment typical of web development projects.

01/2021 – 01/2022  
Mumbai, India

**Let's Upgrade / Newton School / Coding Ninjas** [↗](#)  
Full Stack Trainer - Part Time

- Full-Stack Instructor and Mentor with experience in training new developers.
- Taught the software development life cycle, best practices, and advanced concepts in JavaScript.
- Provided extensive training in the Advanced MERN/MEAN Stack (MongoDB, Express, React, Angular, Nodejs).
- Shared valuable team and collaboration experiences to enhance overall development skills.
- Delivered live classes and offline seminars to enhance learning and engagement.
- YouTube Links [Link1](#) [↗](#) , [Link2](#)

## EDUCATION

05/2017 – 06/2021  
Bhopal, India

**Bachelor of Technology in Computer Science**  
Rajiv Gandhi Proudyogiki Vishwavidyalaya University

## SKILLS

**Javascript**

**React Js**

**React Native**  
*Cross Platform Mobile Development*

**MongoDB**  
*NoSQL Database*

**Google Cloud Platform**

**Express Js**  
*REST API*

**GSAP**  
*Animation library*

**Linode / Digital Ocean**  
*cloud computing solutions*

**HTML**

**Redux / Pinia / Vuex**  
*State managment*

**Typescript**

**Vue Js**

**Node Js**

**Postgres / MySQL**  
*SQL Database*

**Git / Github**

**Socket io**  
*Web Sockets*

**Tailwind / SCSS / LESS / SASS**  
*CSS preprocessors and utilities*

**Firebase**  
*Cloud Solution*

**CSS**

**MCP**

**Next Js**  
*React JS Framework*

**Micro Frontend**  
*Module Federation*

**Nest Js**  
*Backend framework*

**AI Tools**  
*Cursor / MCP / Agents*

**HTML5/CSS3**

**SAAS**  
*Software as a Service*

**OOPS**  
*Object-oriented programming*

**Redis**

**Agile**  
*Agile software development*

**AI Agents**

## LANGUAGES

English

● ● ● ● ● Hindi

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### HighLevel - Credentials Platform

Canvas/Certifier-style credential creator and issuer

- **Visual Editor:** Drag-and-drop design with templates, logos, QR codes, custom fonts/colors, watermarks, and background images.
- **Bulk Issuance & Automation:** Upload CSV spreadsheets, auto-send emails, schedule issuing, renew expiring credentials.
- **Credential Portal & Sharing:** Recipients get login-free access to a branded portal; supports LinkedIn, Twitter/X, Facebook.
- **Verification & Security:** UUID-based credential verification, issuer identity verification, API integration for validity checks.
- **Tracking & Analytics:** Email open rates, link clicks, verification stats, social engagement analytics, monthly performance reporting.
- **Credential Management:** Edit issued items, set expiration/renewals, revoke access, export as PDF or spreadsheet, resend credentials.
- **Integrations & API:** Works with all the internal apps—Trigger certificate/badges issuance from all the internal apps

### HighLevel - Courses Platform

Creator-led all-in-one course & community builder

- **Multimedia Content Support:** Host video, audio, PDFs, text, and downloadable resources with unlimited storage.
- **Course Builder Tools:** Drip scheduling, quizzes, assessments, modules, and course blueprints.
- **Membership & Community Engagement:** Discussion forums, live webinars, group chats, Q&A, and gamification with leaderboards and badges.
- **Marketing & Funnel Automation:** Landing pages, email drip campaigns, upsells/downsells, affiliate workflows, abandoned-cart recovery.
- **AI-Powered Tools:** AI-generated course outlines, content, email campaigns, blogs, and intelligent recommendations.
- **Website Builder & Blog:** SEO-optimized pages, blogs, custom domains, themes, and responsive design.
- **Integrated Payments:** Native Stripe/PayPal support, coupon codes, flexible payment plans, branded checkout.
- **Analytics & CRM:** Dashboard for tracking enrollment, user engagement, sales, funnel performance, affiliate metrics.

### Haspr Portfolio Web App

Personal Portfolio

- **Creative Developer Portfolio:** Designed and developed a highly interactive portfolio web application to highlight personal projects, skills, and technical expertise through immersive storytelling.
- **Advanced Animation & Graphics Stack:** Leveraged GSAP, Three.js, and WebGL to craft smooth animations, 3D effects, and dynamic transitions—enhancing visual depth and interactivity.
- **Engaging User Interactions:** Implemented scroll-triggered effects, hover animations, and motion-based interactions to create an intuitive and delightful browsing experience.
- **Modern Web Stack Proficiency:** Demonstrated fluency in contemporary frontend tools including modular JavaScript architecture, responsive design, and performance optimization techniques.
- **Creative Expression Through Code:** Blended design and development to produce a unique digital identity, showcasing creativity, aesthetic sensibility, and frontend engineering excellence.
- **Mobile Responsiveness & Accessibility:** Ensured compatibility across screen sizes and accessibility standards for a smooth experience on all devices and platforms.

### Carbon Shop

One stop solution to trade in carbon credits.

- **React-Based UI & Frontend Architecture:** Designed and engineered a scalable, component-driven interface using Angular, optimized for clarity, responsiveness, and maintainability.
- **Role-Based Access Control (RBAC):** Implemented a permission system to manage secure and differentiated access for stakeholders such as administrators, credit issuers, buyers, and auditors.
- **Real-Time Trading Experience:** Leveraged Firebase to introduce real-time synchronization of listings, pricing, and trade updates—delivering instant feedback and state consistency across sessions.
- **Interactive Trading Dashboards:** Developed live dashboards for tracking trades, market dynamics, and activity logs, enhancing visibility and operational efficiency for users.
- **Full Project Ownership:** Spearheaded core frontend development and structural planning, while mentoring junior developers and guiding team onboarding processes.
- **Sustainability-Aligned Technology:** Purpose-built for the renewable energy market, enabling transparent and scalable trading of carbon credits in support of net-zero and climate goals.

### Khajuraho Expo

Web Expo For Khajuraho

- **Immersive Web Experience Using React:** Developed a dynamic web application to digitally enrich the tourism experience at Khajuraho, offering seamless, mobile-responsive access to location-based content.
- **Multi-Language Audio Guide Support:** Enabled users to explore content in multiple languages through localized audio tracks, enhancing accessibility for global tourists.
- **QR Code Navigation System:** Implemented a QR code scanning system that unlocks location-specific content, simplifying exploration and connecting physical landmarks with digital narratives.
- **Interactive 360° Media Map:** Designed and integrated an interactive map interface showcasing panoramic images, enabling users to virtually navigate and explore temples and landmarks.
- **Cultural Content Delivery:** Provided context-rich stories, multilingual commentary, and structured tour paths to make visits more engaging, informative, and personalized.
- **User-Centered Design Approach:** Focused on usability and accessibility to support visitors of all age groups and technical backgrounds, reinforcing the cultural storytelling experience.

### AFIS Schoolbus Tracking

Live tracking vehicles and passengers management.

- **Cross-Platform Mobile App Development:** Built a comprehensive transportation management mobile application focused on live vehicle tracking, user-friendly interfaces, and operational transparency.
- **Real-Time Bus Tracking:** Integrated GPS and real-time location services to enable parents and administrators to monitor school bus routes, locations, and estimated arrival times dynamically.
- **Multi-Tenant Account Management:** Designed support for multiple bus operators, enabling independent account management, role-based access, and customizable configurations.
- **Custom Notifications System:** Implemented real-time push and in-app notifications for events such as pickup/drop-off alerts, route deviations, or delays—improving safety and communication.
- **User Experience Optimization:** Applied efficient UI/UX design principles to streamline navigation for both bus operators and passengers, ensuring ease of use across all age groups.

- **Operational Efficiency & Safety Focus:** Designed features to enhance scheduling, reporting, and route planning—ultimately improving safety, trust, and service quality in school transportation.

#### **Innovative Service Center**

The complete car and bikes service center maintenance and operation platform

- **End-to-End SaaS Platform Design:** Conceived and developed a cloud-based service management system tailored for automotive and two-wheeler service centers, streamlining end-user and staff interactions.
- **Cross-Platform Mobile App for Clients:** Built a mobile application enabling clients to book services, manage appointments, track product servicing, and communicate with service staff in real-time.
- **Employee & Service Workflow Management:** Enabled administrators to assign tasks, monitor employee productivity, manage service history, and control inventory through an intuitive dashboard.
- **Operational Optimization Tools:** Integrated features like appointment scheduling, service tracking, digital invoices, automated reminders, and performance analytics to improve service center efficiency.
- **Enhanced User Experience:** Designed with modern UI/UX best practices to ensure smooth, responsive, and accessible interfaces for both service staff and customers.
- **Business Scalability & Customization:** Architected the platform to support multi-center operations, scalable user onboarding, and customizable service categories for diverse business needs.

#### **Hyre Me**

Local Job Posting platform

- **React Native Mobile App Development:** Built a cross-platform mobile application to connect job seekers and employers within a local city environment, emphasizing speed, usability, and accessibility.
- **Real-Time Notifications & Updates:** Integrated WebSocket-based real-time communication to deliver instant alerts for job postings, application status, and employer responses.
- **Multi-App Integration:** Coordinated smooth interactions across various internal dashboards and applications, ensuring data consistency and unified user flow across the platform.
- **Optimized Data Flow Architecture:** Engineered efficient backend-to-frontend data pipelines to support high-performance syncing of job listings, user profiles, and messaging.
- **Visual Client Dashboard:** Designed a centralized admin dashboard to monitor platform metrics, user engagement, and system health—featuring rich visualizations and filtering capabilities.
- **Localized Job Matching Experience:** Focused on neighborhood-level opportunities, ensuring relevance through geolocation tagging, category filtering, and personalized notifications.

01/2024 – present

#### **Digital Measurement, Reporting, and Verification**

DMRV Web app

- **End-to-End Project Ownership:** Spearheaded the full development lifecycle of the DMRV (Digital Measurement, Reporting, and Verification) web platform—from architecture to deployment.
- **Modern Tech Stack Implementation:** Built using React.js, Next.js, TypeScript, and Shadcn UI, enabling modularity, type safety, and a modern, aesthetic design system.
- **Reusable Component Library:** Engineered a scalable React component system to maximize code reusability, consistency, and maintainability across modules.
- **Real-Time API Integration:** Integrated live APIs to fetch, process, and display environmental and measurement data, ensuring up-to-date system behavior.
- **Data Management & Optimization:** Handled large-scale datasets with structured state management and optimized data flow to maintain high performance under load.

- **Secure Auth & Authorization Flows:** Implemented robust authentication systems and permission controls to protect sensitive environmental data.
- **Cross-System Interoperability:** Integrated with external systems and services to allow seamless data exchange and real-time reporting compliance.
- **Performance & Scalability Enhancements:** Applied advanced optimization strategies including lazy loading, SSR, and caching to boost app performance.
- **Collaborative Design Process:** Worked closely with product and UI/UX teams to deliver an intuitive, accessible, and responsive user interface.
- **Technology Agility:** Adapted swiftly to new tools and evolving requirements, integrating the latest frameworks and practices into the development workflow.