

SURINDER SINGH

Senior Software Engineer | Frontend Systems & Architecture

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PROFESSIONAL SUMMARY

Senior Software Engineer specializing in frontend systems, with 5 years of experience shipping React and TypeScript applications to production. At Paytm, architected two Module Federation micro-frontends serving 100K+ daily active users, cutting bundle size by 30% and reaching a 95+ Lighthouse performance score. Previously built real-time SaaS dialer and CRM platforms (WebSockets, browser-based VoIP) and the frontend of an AI media-editing product. Experienced in frontend architecture, Redux Toolkit state management, performance optimization, and Jenkins CI/CD; comfortable owning delivery in small teams and working directly with product.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, HTML5, CSS3

Frameworks & State: React.js, Next.js, Redux Toolkit, Redux

Architecture & Performance: Micro-Frontend Architecture (Module Federation), Frontend Architecture, Component Architecture, State Management, Performance Optimization, Lighthouse, Core Web Vitals

UI Libraries: Mantine, Ant Design, Tailwind CSS, shadcn/ui, Material UI, Polotno

Real-Time & APIs: WebSockets, Server-Sent Events (SSE), REST APIs, JsSIP (SIP/WebRTC)

Build, Testing & CI/CD: Jenkins, CI/CD, Webpack, Vite, Git, GitHub, ESLint, Unit Testing

AI-Assisted Development: Cursor (agent and chat workflows)

Working Knowledge: Node.js, Express.js, MongoDB, SQL, Docker, Nginx

PROFESSIONAL EXPERIENCE

Senior Software Engineer

Apr 2026 – Present

[Paytm](#) | Noida, India

Indian digital payments and financial services company.

- Architected and deployed 2 micro-frontend applications with Module Federation for a platform serving 100K+ daily active users and millions of daily transactions; reduced bundle size by 30%.
- Delivered 6 core platform features as one of two engineers, working directly with product as business requirements changed.
- Reached 100% unit test coverage and a Lighthouse performance score of 95+.
- Built Jenkins CI/CD pipelines to automate deployments and keep repositories release-ready.
- Adopted Cursor agent and chat workflows to speed up feature delivery and keep repository documentation current.

Frontend Engineer

Dec 2023 – Feb 2026

[Teemuno \(gimme AI\)](#) | Singapore (Remote)

AI marketing platform for creating and editing image and video content and automating marketing tasks.

- Built the frontend of AI-powered image and video editing tools using React, TypeScript, Mantine, and Polotno, letting marketers create and edit media inside the platform.
- Developed a reusable component system supporting 150+ automated AI marketing tasks and assistants.
- Implemented Redux Toolkit for complex application state; improved client-side render speed by 25%.

Frontend Engineer

Jun 2022 – Oct 2023

Collaberus Technologies Pvt. Ltd. | New Delhi, India

SaaS dialer and CRM software for call centers.

- Owned frontend development for 3 SaaS products ([Dialmantra Dialer](#), [Amotus Online](#), Call Center CRM) using React, Redux, and Webpack.
- Built Admin, Customer, and Caller portals with React and Ant Design, using WebSockets for real-time updates and reducing data latency by 35%.
- Integrated browser-based VoIP calling with JsSIP, eliminating hardware setup cost and cutting onboarding time by 50%.

Frontend & Technical Associate

Oct 2021 – Jun 2022

[VDK Eduventures Pvt. Ltd. \(Drishti IAS\)](#) | New Delhi, India

Online learning platform for civil-services exam preparation, serving 500K+ monthly users.

- Improved UI responsiveness across the platform, cutting initial page load time by 40%.
- Streamlined asynchronous API handling with JavaScript `async/await` and `Axios`, reducing client-side error and crash reports by 30%.

EDUCATION

Bachelor of Computer Applications (BCA), Capital University

2021 – 2023

Diploma in Computer Science, B.B.S.B.P. College, Sirhind (PSBTE & IT, Chandigarh)

2018 – 2021