

Jappreet Singh

Senior Frontend Engineer · React.js · Next.js · Vue.js · TypeScript

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PROFESSIONAL SUMMARY

Senior Frontend Engineer with 9+ years of experience architecting and delivering scalable, high-performance web applications across insurance tech, e-commerce, utilities, and the cruise industry. Specialises in micro-frontend architectures, dynamic form/rendering engines, and authentication systems — consistently translating complex, data-heavy workflows into fast, intuitive interfaces with measurable performance and processing-time improvements. Known for driving code quality through rigorous reviews, refactoring, and establishing team-wide engineering standards across cross-functional remote and on-site teams.

EXPERIENCE

Principal Web Development Engineer | Concirrus

Sep 2023 – Sep 2026 · Noida, India (Hybrid)

Concirrus delivers digital solutions for the specialty insurance industry, spanning document processing (Submissions), Political Violence & Terrorism (PV&T), Marine & Aviation risk platforms.

- Built a Keycloak setup wizard that cut SPA auth provisioning from days of manual Admin Console work to ~30 minutes by automating realm, PKCE client, roles, OIDC SSO, and branded login themes, then emitting a ready app config pack.
- Architected an end-to-end Authentication system using Keycloak, implementing SSO flows and role-based access control (RBAC) to secure access across multiple user roles and application routes.
- Architected a Module Federation-based micro-frontend platform using Vite with runtime-dynamic remote URLs and tenant-configurable feature flags for zero-deploy client customisation.
- Built a JSON-schema-driven rendering engine using reusable components where form layout, field paths, and validation rules are fully config-driven — enabling zero-code UI changes across multiple insurance tenants.
- Built a micro-frontend document platform for underwriters (three-layer review UI, multi-format uploader), cutting processing time from hours to under 2.5 min at 85–95% accuracy.
- Built a Leaflet map with marker clustering and canvas-accelerated rendering that kept interactions fluid while rendering 250k+ markers across 4 map views.

Tech Stack: Vue.js · Vuex · TypeScript · JavaScript · HTML5 · Sass

Senior Frontend Engineer | CoreValue Technologies

Aug 2021 – Sep 2023 · Remote

CoreValue Technologies builds cross-domain SaaS products. Led frontend development on Prodport — an e-commerce personalisation platform that dynamically adapts Product Detail Pages (PDPs) based on real-time user persona, behavioural events, and geolocation.

- Spearheaded development of the Context module — Prodport's core audience-targeting engine — enabling merchants to define audience segments by persona, event triggers, and location, directly powering personalisation across the platform.
- Engineered the Digital Assets module from scratch: a centralised media repository supporting image editing, a custom video player with transcripts, and advanced search and filtering.
- Migrated multiple modules from REST to GraphQL, eliminating over-fetching, reducing average API payload size by ~40%, and delivering measurable frontend performance optimisation through faster page load times.
- Instituted frontend code review standards across the engineering team, cutting recurring bug patterns and reducing post-release defects quarter-over-quarter.

Tech Stack: React.js · Redux · Redux Saga · React Query · TypeScript · JavaScript · HTML5 · Sass · GraphQL

Product Engineer | Smart Energy Water

Sep 2020 – Aug 2021 · Noida, India

SEW builds SaaS products for the utilities sector (power, water, gas). Delivered frontend features on the SCM (Smart Customer Mobile) self-service portal used by utility customers across multiple regions.

- Implemented a secure JWT-based Authentication module, replacing a legacy session-based flow and establishing stateless auth for a large active user base.
- Delivered three production modules — My Profile, Help Centre, and Services — within a single quarter; the Services module enabled customers to self-manage utility subscriptions on demand, reducing support tickets significantly.

Tech Stack: React.js · Redux · JavaScript · HTML5 · CSS

Software Engineer | Studio Graphene

Mar 2019 – Mar 2020 · Gurgaon, India

Studio Graphene is a UK-based product studio building digital products for startups. Delivered frontend across two concurrent client products within a single year.

- HiNanny (UK childcare marketplace): Engineered a 6-step progressive onboarding flow with JWT authentication for both parent and nanny roles, achieving high form completion rates and reducing drop-off versus the prior single-page form.
- HiNanny: Delivered a feature-rich Dashboard and Profile Detail view providing both user types with full profile visibility, improving parent-to-nanny match conversion.
- GoLearn (edtech platform): Built the Teacher portal from scratch with reusable React components for adaptive test creation and learning path management, empowering educators with data-driven student performance insights.

Tech Stack: React.js · Redux · JavaScript · HTML5 · CSS · Sass

Associate Software Engineer | DeCurtis Corporation

Feb 2017 – Mar 2019 · Jaipur, India

DeCurtis builds digital experience platforms for the global cruise industry. Delivered core frontend features on Virgin Voyages — a consumer-facing cruise booking platform targeting US and UK markets.

- Developed the Explore Voyages search and filter experience, enabling users to browse and compare cruise voyages by destination, date, and cabin type with sub-second filter response times.
- Engineered the full multi-step Booking flow — from voyage selection through cabin pick to confirmation — managing complex stateful UI across multiple steps and supporting high monthly transaction volumes.

Tech Stack: React.js · Redux · JavaScript · HTML5 · CSS · Sass

TECHNICAL SKILLS

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

Frameworks & Libraries: React.js, Next.js, Vue.js, GraphQL, Bootstrap, jQuery

State & Async Management: Component-level state (React Hooks, Vue Composition API), global state (Redux, Redux Saga, Vuex), async data fetching (React Query)

Styling: Sass/SCSS, CSS Modules, Tailwind CSS

Auth & Security: Keycloak (SSO/RBAC), JWT, OAuth 2.0

Tools & Platforms: Cursor, Google Antigravity, Git, GitHub, Webpack, Vite, REST APIs, GraphQL APIs

EDUCATION

Bachelor of Technology, Computer Science · Poornima Institute of Engineering & Technology, Jaipur · 2013 – 2017