

Abhishek Purohit

Founding Engineer

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SKILLS SUMMARY

- **Core Expertise:** Large-scale React/Next.js applications, canvas and rendering pipelines, performance optimization, design systems, technical SEO, AI-assisted development workflows
- **Languages:** TypeScript, JavaScript, HTML5, CSS3, ES6+, SQL
- **Frontend:** React.js, Next.js (Pages & App Router, SSR/SSG/ISR), React Native, Expo, Zustand, Redux Toolkit, TanStack Query, Immer, Formik, Yup, Tailwind CSS, Shaden UI
- **Rendering & Canvas:** Konva, react-konva, Three.js, Tiptap, Puppeteer, ImageMagick
- **Backend:** Node.js, Fastify, REST APIs, WebSockets, WebRTC

EXPERIENCE

- **Compra** Hybrid
Founding Engineer May 2025 - July 2026
 - Co-designed a hierarchical relational tree schema (**canvases** → **pages** → **frames** → **nodes**) to replace an unstable flat NoSQL structure, with client-side state adapters mapping normalized layers into application views.
 - Engineered a 60fps change-management architecture using **Immer**, broadcasting workspace mutations as **RFC 6902 JSON Patches** to isolate render state from persistence.
 - Coalesced continuous drag and resize streams through a **Zustand** transaction queue on a 500ms debounce to cut API payload frequency, and built a dedicated **HeadlessRender** path in **Konva** guaranteeing pixel-parity between editor state and PNG/WebP, GIF, MP4 and interactive HTML5 outputs.
 - Architected an automated headless rendering pipeline in **Puppeteer** evaluating a custom **Konva HeadlessRender** path; eliminated pixelation and layout clipping via absolute-origin stages, high-DPI viewports and an **ImageMagick** Lanczos supersampling filter, raising export fidelity 4.5x (400KB → 1.8MB).
 - Shipped a **Shopify post-purchase survey app** with a custom survey builder, live previews and logical branching, driven by a real-time behavioral trigger engine (exit intent, cart events, scroll depth, PDP dwell time) and analytics dashboard.
- **Precize** In-office
Frontend Developer Jul 2024 - April 2025
 - Engineered and scaled **4 fintech platforms** (precize.in, portal.precize.in, plus internal CMS and operations dashboards for invoicing, inventory, order and finance management), growing from 5K to **500K+ users**.
 - Led the architectural migration from Next.js 12 to the Next.js 15 App Router with React Server Components; lifted **SEO ranking from 5th to 2nd** via SSR, SSG, ISR and cache revalidation, reaching **90+ desktop / 75+ mobile Lighthouse** scores.
 - Designed scalable **Node.js** and **Fastify** APIs for investor platforms and B2B operational systems, cutting response latency **35%** through caching and validation strategies; deployed PAN validation APIs with rule-based anomaly detection, reducing manual compliance review effort **30%**.
 - Built a custom internal CMS managing 350+ dynamic news and blog posts, integrating **Tiptap** for rich-text serialization, abstract node tree parsing, and publishing workflows.
 - Re-engineered dashboards across 40+ extensive tables and complex forms using **TanStack Query**, TypeScript and Formik schema validation, built on a centralized cross-platform UI component library consumed across web dashboards and mobile app.
- **Awesome Suite** Remote
Frontend React Developer July 2023 - June 2024
 - **Awesome Social:** Enhanced critical Core Web Vitals via aggressive code-splitting and bundle size reductions; authored an on-demand PDF generation hook supporting dynamic rendering; built an asynchronous drag-and-drop editorial pipeline utilizing React Big Calendar.
 - **Dial SaaS:** Built a low-latency web calling dashboard by integrating Twilio SDKs with stateful WebSockets and WebRTC audio signaling; built real-time agent tracking analytics utilizing Recharts modules; enforced strict Role-Based Access Control (RBAC).
 - **Nebula UI Library:** Created, documented, and shipped a centralized corporate UI design framework consisting of 30+ accessible, reusable components leveraging JSS and Sass styling paradigms.

EDUCATION

- **Vidyavardhini's College of Engineering and Technology** India
Bachelor of Engineering in Mechanical Engineering (CGPA: 7.4) July 2019 - June 2023