Mahavirsinh Chauhan ⊕

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Summary

Senior Software Engineer with ~4 years of experience building scalable web and mobile platforms using React, Next.js, and React Native (Expo). Strong background in component-driven architecture, design systems, and performance optimization for production-grade applications. Proven ownership of reusable UI libraries, widget-driven runtimes, and internal tooling with modern frontend and backend integrations. Experienced in mentoring junior engineers and collaborating closely with product and design teams to deliver high-quality, maintainable systems.

Technical Skills

Languages: JavaScript (Primary), Java, Python
Frameworks: React, Next.js, React Native, Expo
State Management: Redux, Context API, React Query
UI & Design Systems: Material-UI, shadcn/ui, Tailwind CSS, Styled Components, Accessibility (a11y)
Web & Platform: REST, GraphQL, WebSockets, Vite, Webpack, Databases (Postgres, Firestore)
Tools: Git, npm/yarn/pnpm, CI/CD (GitHub Actions), Chrome DevTools, Postman, Figma, Jira, ClickUp

Experience

Amoga Software   Bangalore, India
Senior Software Engineer (Promoted Oct 2024)   Mar 2022 – Present

– Played a key role in designing and scaling Amoga's core platform architecture, contributing from early-stage launch through production growth with a focus on performance and long-term maintainability.
– Owned and delivered critical platform features including authentication, real-time activity feeds (events, comments, notifications), Growth Scorecard dashboards, and a low-code App Studio powering internal applications.
– **Widget-driven Runtime**: Designed and developed a widget-based runtime where widgets act as core building blocks of applications. Built and maintained 15+ configurable widgets (tables, maps, calendars, charts) that power a widget-driven runtime used across the platform.
– **Design System & Internal Libraries**: Designed and maintained a shared design system and component library with 25+ reusable UI components, along with internal utility packages (common helper functions) to standardize patterns and reduce duplication across the product.
– Implemented flexible theming and configuration-driven UI patterns enabling brand-level customization across web and mobile experiences.
– **Mobile Engineering**: Built and maintained React Native applications (native + PWA hybrid), implementing deep linking, PWA-to-native interactions, and DOM/native module integrations for seamless cross-platform behavior.
– Led migration from a legacy React Native setup to the latest Expo SDK, resulting in noticeable performance improvements, smoother navigation flows, and reduced maintenance overhead.
– Optimized frontend performance using memoization, code splitting, lazy loading, and component-level rendering improvements in high-usage views, reducing unnecessary re-renders and improving UI responsiveness.
– **Search & Data**: Integrated Algolia, Fuse.js, and GraphQL-based querying to improve search performance, filtering, and large dataset handling across applications.
– **Collaboration & Mentorship**: Worked closely with product managers and design teams to shape UX and frontend architecture, and actively mentored junior engineers through code reviews, architectural guidance, and day-to-day technical support.

Projects

At A Glance (Expo / React Native) ⧉

– Independently developed a React Native application leveraging Google Places API and sentiment analysis to deliver real-time business insights. Implemented Firebase Authentication, Firestore, and location-based discovery with AI-powered review analysis.

Additional Projects

– GenAI 3D Shopping UI *(React, Three.js, R3F, Drei, Tailwind, Framer Motion, EdenAI)* — Restaurant UI *(React)* — Friendlily *(React, Reusable Components)*
– RN Meals App *(React Native, Redux)* — Movies Rec Engine *(Python, ML)* — RN Expense Tracker *(React Native)*

Education

Gujarat Technological University   Aug 2017 – Jul 2021
Bachelor of Engineering in Information Technology   CGPA: 8.32