

WORK EXPERIENCE

Lead Software Engineer | Havas India, Canada, France

November 2023 - Present

- ◆ Plan, Architect and Develop frontend solutions, ensuring scalable, performant experiences across multiple time zones.
- ◆ Spearheaded the migration of a Client-Side React app to SSR using Next.js, to improve SEO (21% organic traffic lift), reduced load times by 34%, and cut FCP by 18%, to 1.4s.
- ◆ Optimized a complex Three.js application by reducing resource consumption via minimizing draw calls using practices such as instancing and frustum culling and memory usage (compressed textures). Implemented Web Workers to eliminate UI blocking, resulting in smoother rendering.
- ◆ Authoring technical and API specifications, Evaluate UI design feasibility, distributing initiatives among devs.
- ◆ Serve as the primary technical point of contact for stakeholder communication across time zones to address technical goals.
- ◆ Oversee code quality through reviews and troubleshooting, Ops/Alerts, maintaining consistency and best practices.

Senior Frontend Software Engineer | BrowserStack

September 2021 - November 2023

- ◆ Architected and implemented a modern frontend mono-repository (Vercel TurboRepo) for new BrowserStack products, reducing initial build times by 25%
- ◆ Optimized application performance, reducing CPU usage by 71% through strategic websocket event throttling and render cycle decoupling, resulting in significant performance gains.
- ◆ Developed a robust component library using (shadcn/ui) with Vite for optimized tree-shaking, achieving a 62% component reuse rate, published via GitHub Packages, and documented with Storybook.
- ◆ Pioneered desktop application development in BrowserStack, with a cross-platform (Windows/macOS) electron.js application for mobile app performance analysis (Android / iOS)

Senior Developer | Salt-Tech Services LLP

March 2021 - September 2021

- ◆ Built a cross-platform React Native application (Android/iOS), for a service aggregator business, delivering a unified platform for diverse third-party services.
- ◆ Integrated Push Notifications, using google cloud messaging and Firebase SDK, Auth0 for authentication.
- ◆ Implemented Elasticsearch for location-based search and sorting, based on Google Map Location co-ordinates.
- ◆ Integrated Stripe for payment processing, Engineered a real-time chat feature via socket.io implementation.

Systems Engineer | Tata Consultancy Services

November 2018 - March 2021

- ◆ Initiated the migration of legacy JSP front-ends to AngularJS, Angular 5/8/11 applications, resulting in a 67% reduction in build and load times (9.4s to 3.1s).
- ◆ Engineered scalable APIs using Java Spring and Hibernate, leveraging Jackson ObjectMapper with Jersey.

SKILLS

Javascript(ES2020), Node.js, Electron.js, React 18, Redux, Redux Toolkit, React-Native, Next.js, Vue 3, Nuxt 3, Angular 8-13, Three.js, jQuery, Handlebars.js, Tailwind, SCSS, Ruby on Rails, MySQL, Java 8, Adobe Photoshop,

TOOLS

Bitbucket Pipelines, Vercel Turborepo, Vite, Webpack, gulp, husky pre-commit, Auto-prefixer, Storybook (Chromatic), npm/nvm/pnpm, Contentful Headless, jest, karma, jasmine, Git, VS Code (with ESLint), RTL-CSS(Arabic),

EDUCATION

Bachelor's Degree Of Engineering | Information Technology

2014 - 2018