

MAYUR SINGHAL

Software Development Engineer II (SDE-2) | Vue • Nuxt • React | Web Performance & AI Tooling

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PROFILE

Software Development Engineer II with 4+ years of experience building high-performance, consumer-facing web applications in Vue, Nuxt, React, and TypeScript. Drove platform modernization including a Vue 2 → Nuxt 4 migration and performance work that cut TTFB by 55% and improved Core Web Vitals pass rates from 40% to 60%. Built an SSR-safe experimentation platform powering 10+ A/B tests including the winning variant that lifted site conversion ~5% and AI-powered code review automation adopted across all frontend repositories, while mentoring junior engineers

EXPERIENCE

Rentomojo

Software Development Engineer II

Apr 2026 – Present | Bangalore

- Led the end-to-end migration of Rentomojo's consumer web app from Vue 2/Vuex to **Nuxt 4 + TypeScript + Pinia**, cutting build times **5× (~10 min → ~2 min)** and unlocking SSR, full type safety, and faster developer feedback loops across the frontend team.
- Built an **AI-powered code review bot** using the **Gemini API and GitHub Actions**, triggered on pull requests via a bot command to auto-flag bugs, anti-patterns, and style violations before human review — **adopted across all frontend repositories**, saving **~15 minutes of reviewer time per PR**.
- Mentoring **2 junior frontend developers** on Vue 3 migration patterns and component architecture, and conducting structured code reviews to uphold architecture and quality standards across the team.

Software Development Engineer I

Aug 2022 – Apr 2026 | Bangalore

- Architected a **persona-based homepage serving 10+ user segments** that shipped as the winning A/B variant, **increasing site conversion by ~5%** — resolved personas server-side for authenticated users and via cookies for guests, using a tiered rendering strategy (immediate first-fold, deferred near-fold, Intersection Observer below-fold) that kept Core Web Vitals green despite heavy component density.
- Improved mobile **Core Web Vitals pass rate from 40% → 60%** and reduced JS bundle size by **~30%** through dead-code elimination, route-level code splitting, skeleton loaders (eliminating CLS), fetchpriority/preload on LCP images, and backend API latency fixes co-driven with the backend team.
- Rebuilt the SSR **Product Detail Page** by splitting a monolithic API call into a critical server-side fetch plus deferred client-side calls, and moving static content to build-time JSON generation — cutting TTFB from **~1.8s to ~800ms (~55%)** on the site's highest-traffic page.
- Built a cookie-based, **SSR-safe A/B testing framework** (variant assignment, cross-session persistence) adopted by the product team to run **10+ experiments** across homepage, product, and checkout flows.
- Owned the frontend for **KYC verification (HyperVerge)** and the end-to-end **checkout + payments experience** — Juspay iframe integration with success/pending/failure state handling, Google Maps address autocomplete, coupons, and auto-debit — ensuring reliability of the site's revenue-critical payment path.

Amazon, Software Development Engineer Intern

Jan 2022 – Aug 2022 | Remote

- Migrated an internal service's configuration management from **AWS DynamoDB to AWS AppConfig**, enabling dynamic configuration updates without redeployments and reducing operational overhead for dependent teams.
- Won the **Customer Obsession Award** at the Amazon AFT Hackathon 2022 for building and demoing a working prototype under a tight deadline.

SKILLS

Languages & CS Fundamentals: JavaScript, TypeScript, HTML, CSS, SCSS, Data Structures & Algorithms (DSA)

Frameworks & State: Vue.js (2 & 3), Nuxt.js (SSR/SSG), React.js, Next.js, Pinia, Vuex, Redux, Tailwind CSS

Testing & Tooling: Vitest, Jest, Playwright, Vue Test Utils, Vite, ESLint, Git, REST APIs, WebSockets

Performance: Core Web Vitals, Lighthouse, Code Splitting, Lazy Loading, Bundle Optimization, Accessibility (a11y)

Cloud, DevOps & AI: AWS (DynamoDB, AppConfig), CI/CD (GitHub Actions), Gemini API, LLM-powered code review automation

EDUCATION

Bachelor of Technology (B.Tech), Computer Science, Lovely Professional University (LPU), India

2018 – 2022

CGPA: 7.89

ACHIEVEMENTS

Top 5000 globally, Google Hash Code
Team competitive programming.

2021