

Saurabh Gupta

Software Development Engineer — Frontend

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Summary

Software Development Engineer specializing in frontend development with 2+ years of experience building production-grade applications using React.js, JavaScript, TypeScript, Redux, and Next.js. Strong Data Structures & Algorithms and problem-solving skills, with experience in reusable components, state management, API integration, and performance optimization. Experienced in cross-functional, multi-project development and AI-assisted engineering workflows.

Technical Skills

Languages	JavaScript (ES6+), TypeScript, C++, SQL, HTML5, CSS3
Frontend	React.js, Next.js, Redux / Redux Toolkit, Tailwind CSS, Material UI (MUI), Webpack, Core Web Vitals, responsive UI, code splitting, lazy loading
Backend & APIs	Node.js, Express.js, RESTful APIs, SQL, Redash, Opensearch, JWT authentication
Tools & DevOps	Git, Jenkins, Kubernetes, Chrome DevTools, React Develop Tools, Linux
Fundamentals	Data Structures & Algorithms, OOP, SOLID principles, DRY, debugging

Professional Experience

DotPe — Gurugram, India

Software Development Engineer JAN 2025 – PRESENT

- Migrated a critical legacy frontend from React 14 / MUI v2 to React 18 / MUI v5, introducing Tailwind CSS, reconfiguring Webpack and change the Dockerfile builds to modernize the codebase and build pipeline.
- Cut JavaScript **bundle size by 35%** via route-level code splitting and dynamic imports (lazy loading), improving **Largest Contentful Paint by 1.2s** and Core Web Vitals scores.
- Designed configuration-driven, reusable React components adopted across 30+ areas of the product, **reducing new feature development time by 60–70%** and enforcing **DRY**, consistent UI patterns.
- Built and shipped core modules of a merchant CRM dashboard — Customer 360 profiles, segmentation analytics, visit- and point-based loyalty programs, and customer exclusion management — using **React.js, Redux, React Hooks, Context API, and Tailwind**, serving **1K+ active merchants and impacting 1M+ consumers**.
- Architected and built a **config-driven WhatsApp marketing automation builder** supporting **9 customer-lifecycle workflows** through a reusable registry of **9 modular section components**, enabling new workflows through a single declarative configuration and **reducing development effort by 80%**.
- Delivered an SEO management dashboard used by **10K+ merchants**, leveraging Next.js SSR, Google Rich Results structured data, and metadata management to enable storefront SEO optimization and improve search engine discoverability.
- Implemented dynamic 404 routing in Next.js that preserves original URLs and the shared store layout, improving SEO indexing, reducing bounce rate and standardizing error handling across the application suite.
- Delivered Horizon, a restaurant intelligence MVP, using AI orchestration (MCP, context engineering) to build a high-density dashboard of 20+ automated analytics modules with execution-ready business insights.

Software Development Engineer Intern SEP 2024 – DEC 2024

- Shipped 10+ incremental features end to end, including a store deletion flow and an order report scheduler.
- Centralized shared utilities into a Git submodule consumed by 4 projects, eliminating duplicated code across repositories.
- Debugged and resolved 100+ critical production issues, reducing regression risk and support load.

Education

B.Tech, Computer Science — G. L. Bajaj 2025

CGPA: 8.0/10.0

Achievements

LeetCode: rated 1800+ across 80+ contests. Codeforces: rated 1200+ (Pupil).