

# Pratik Singh

## Software Engineer

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### Summary

Software Engineer with ~2 years of experience building scalable web apps using **JavaScript, TypeScript, and Python**. Skilled in **React.js, Next.js, Node.js**, and databases like **PostgreSQL** and **MongoDB**. Experienced in **CI/CD workflows, automated testing**, and **cloud-native** deployments. Thrive in **Agile teams (Scrum/Kanban)**, contributing to performance optimization, sprint planning, and delivery acceleration. Passionate about **clean, efficient code** and improving developer experience.

### Education

#### Jhulelal Institute of Technology,

B.Tech in Computer Science Engineering (CGPA: 8.6/10)

Jun 2020 – Jul 2024 | Nagpur, IN

**Relevant Coursework:** Data Structures, Operating Systems, Computer Networks, Web Technologies, Software Engineering

### Professional Experience

#### CIMET, Associate Software Engineer

Sep 2024 – present | Jaipur, IN

- Delivered performant, server-rendered interfaces using **Next.js, TypeScript**, and Styled Components, decreasing load times by ~40% and boosting SEO visibility across 5+ digital products.
- Integrated and streamlined **GraphQL** and **RESTful APIs**, enhancing data sync efficiency and reducing client-server latency by 30% in **SSR workflows**.
- Increased backend throughput by 65% through **Redis-based caching** layers and optimized database access using Prisma with PostgreSQL, improving responsiveness under high traffic.
- Overhauled a legacy monorepo, resolving 200+ code quality issues via **SonarQube**, enabling CI pipelines to pass and increasing **code maintainability** across teams.
- Enhanced content flexibility by extending **KeystoneJS CMS** with modular schemas and **SEO-compliant metadata**, allowing marketing teams to publish campaign pages independently.

#### Masai School, Full Stack Developer Trainee

Jan 2024 – Aug 2024 | Bengaluru, IN

- Developed and deployed 5+ **full-stack web apps**, including a medicine delivery platform, Kanban board, slideshow creator, and e-commerce sites.
- Gained hands-on experience in **React.js, Redux, Node.js, Express.js, MongoDB**, and modern JavaScript practices through project-based learning and teamwork.

#### CodeLancer, Web Developer

Aug 2023 – Dec 2023 | Nagpur, IN

- Delivered 7+ **client projects** involving website development and application maintenance.
- Built a dynamic **finance and insurance claims dashboard** for enterprise clients.
- Developed an end-to-end **Event Management System** for hosting and managing **onsite and hybrid events**.

### Skills

**Languages:** JavaScript, Python, SQL, TypeScript

**Frontend:** React.js, Next.js, Remix, Tailwind CSS, ShadCN UI, Bootstrap, Zustand, Redux Toolkit, React Query (TanStack), React Hook Form, React Router, Vite

**Backend, Databases & APIs:** Express.js, GraphQL, REST APIs, Prisma ORM, KeystoneJS, Redis, NextAuth.js, Node JS, PostgreSQL, MongoDB, Elastic Search, WebSockets, Child Process, Redis

**Dev Tools, CI/CD & Testing:** Git, GitHub, Postman, Docker (basic), Turborepo, GitHub Actions, Jest, Cypress, ESLint, Prettier, Lighthouse

**Soft Skills:** Time management, Communication, Adaptability, Problem-solving, Teamwork, Creativity, Leadership

### Projects

#### CSAPP, Next.Js, Styled Components, GraphQL, ContextAPI | 🔗

- Developed a multi-vertical platform to help Australian users compare broadband, energy, solar, and financial services.
- Built dynamic forms using React Hook Form with scroll-to-error and real-time validation.
- Integrated Adobe tracking and APIs for real-time lead capture and analysis.
- Designed and implemented modular, reusable form components.
- Integrated SEO features and reduced load time by 35% using lazy loading and CDN.

#### RedWing, Nextjs, NodeJs, GraphQL, Redis, Tailwind, ContextAPI | 🔗

- Built a real-time drone fleet management system with mission planning and analytics using Next.js, Node.js, and GraphQL.
- Integrated JWT-based RBAC authentication, Redis caching, and Prisma ORM with PostgreSQL.
- Enabled live drone tracking and mission updates via WebSocket communication.
- Deployed using Docker, Render (backend), and Vercel (frontend) for cloud scalability.

#### PharmEasy, PostgreSQL | Express | Next.js | Node | Tailwind | Redux | React-Redux | 🔗

- Built PharmEasy, a full-stack eCommerce medicine platform using Next.js, TypeScript, and Prisma ORM.
- Implemented real-time inventory tracking, cart flow, and secure order management.
- Designed a extensible PostgreSQL schema to support CRUD operations across products, users, and orders.
- Added SSR for SEO, and an admin dashboard for live product and inventory control.

### Certifications

Full Stack Web Development • Masai School 🔗 | Cloud Computing Essentials • Coursera | Succeeding in Web Dev • LinkedIn Learning | Advanced Google Analytics • Google Analytics Academy | Data Analytics Virtual Experience • Forage