Pratik Singh

Software Engineer

✉ proff.pratiksingh@gmail.com 📞 9356901030 📍 Nagpur in Linkedin/Pratik 🔗 pratik-singh.vercel.app ○ pratxk

🧩 Summary

Software Engineer with 1.5 years of hands-on experience architecting and launching scalable web solutions using modern JavaScript ecosystems and API-first architectures. Adept in **React.js**, **Next.js**, and **Node.js**, with backend experience in **PostgreSQL** and **MongoDB**. Proficient in **Python**, **TypeScript**, and **SQL**, with working knowledge of **CI/CD workflows**, **automated testing**, and **cloud-native deployments**. Thrive in Agile teams, with a track record of elevating code quality, optimizing performance, and accelerating delivery pipelines. Well-versed in **Agile methodologies** including **Scrum** and **Kanban**, with a proven ability to contribute to **cross-functional teams**, participate in sprint planning and retrospectives, and adapt to fast-paced development cycles. Passionate about writing **high-quality**, **performant** code, improving developer experience, and continuously **optimizing** delivery workflows.

🎓 Education

Jhulelal Institute of Technology,   Jun 2020 – Jul 2024 | Nagpur, IN
B.Tech in Computer Science Engineering (CGPA: 8.6/10)
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 – Sep 2024 | Bangalore, IN
- Built and deployed **15+ full stack web applications**, including Kanban Board, Lenskart Store app, Dell Clone, and several e-commerce sites by contributing to both frontend and backend and collaborating with team members for seamless coordination.
- Learned and applied modern web technologies such as HTML, CSS, **JavaScript**, **React**, **Redux**, **Node.js**, **Express.js**, and MongoDB to build **maintainable**, adaptive, and user-friendly applications.

🧩 Technical Skills

Languages & Runtime
JavaScript, Python, SQL, TypeScript

Backend, Databases & APIs
Express.js, GraphQL, REST APIs, tRPC, Prisma ORM, KeystoneJS, Redis, NextAuth.js, Firebase Auth (basic), Node.JS, PostgreSQL, MongoDB

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

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

📂 Projects

AI Shorts Generator, *Next.JS, ShadCN, PostgreSQL, NextJS Backend, Prisma* | 🔗
- Engineered an AI-based short video generator with Next.js frontend and PostgreSQL backend, orchestrated via Prisma ORM.
- Embedded Gemini API to auto-generate narrative scripts and Replicate API for AI-powered imagery.
- Employed AssemblyAI for text-to-speech synthesis, automating narration workflows.
- Rendered dynamic MP4 videos through Remotion.js, merging visual, audio, and text layers programmatically.

Harris AI, *Python | Flask | WebSockets | Voice APIs | Mistral LLM* | 🔗
- Constructed a real-time AI voice assistant backend using Flask and WebSockets for persistent communication.
- Connected with Mistral LLM to generate intelligent dialogue responses.
- Devised an animated UI that reacts to audio input/output for immersive interaction.

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

Cloud Computing Essentials • Coursera 🔗 | Succeeding in Web Dev • LinkedIN Learning 🔗 | Advanced Google Analytics • Google Analytics Academy 🔗 | Data Analytics Virtual Experience • Forage 🔗