

# Pratik Singh

## Software Engineer

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### 📄 Summary

Software Engineer with 9 months 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.

### 🎓 Education

#### Jhulelal Institute of Technology,

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

06/2020 – 07/2024 | Nagpur, IN

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

### 💼 Professional Experience

#### CIMET, Associate Software Engineer

11/2024 – 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.

#### CIMET, Full Stack Developer Trainee

09/2024 – 11/2024 | Jaipur, IN

- Contributed to production modules using the **MERN** stack and **TypeScript**, applying modular architecture patterns and ensuring complete API coverage with unit/integration tests.
- Structured and secured RESTful endpoints with Node.js and Express, incorporating **JWT authentication**, role-based access, and request validation.
- Assembled accessible user interfaces using React and optimized frontend scores to consistently exceed **90+ Lighthouse ratings** for UX and performance.
- Integrated Jest and Cypress test suites, trimming **QA cycles by 35%** and uncovering edge-case bugs before staging deployment.

### 🛠️ Technical Skills

#### Languages

JavaScript, Python, SQL, TypeScript

#### Frontend

Next.js, React.js, Remix, Tailwind CSS, ShadCN, Bootstrap

#### Backend & APIs

Node.js, Express.js, GraphQL, REST APIs, Prisma ORM

#### Databases

PostgreSQL, MongoDB

#### Dev Tools

Git, GitHub, Postman, Docker (basic), Redis, KeystoneJS

#### Testing & CI/CD

Jest, Cypress, GitHub Actions

### 📁 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 scalable **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.