

Saurabh Patil

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Professional Summary

Software Engineer with 4+ years of experience in **modern frontend engineering (React, Next.js)** and scalable back-end systems using **Node.js, Mysql and Redis**. Strong JavaScript/TypeScript foundation with a record of modernizing monolithic CRM into modular, performant microservice and micro-frontend architectures.

Technical Skills

- **Languages:** JavaScript (ES6+), TypeScript, PHP, SQL
- **Frontend:** React.js, Next.js, Redux, TanStack Query, Zustand, Tailwind CSS, Material UI
- **Backend / Integrations:** Node.js, Express.js, REST APIs, GraphQL, WebSockets, JWT
- **Databases & Caching:** MongoDB, MySQL, Redis
- **Architecture:** Microservices, Event-Driven Architecture, Monorepo, Micro-Frontends, Web Security (OWASP)
- **Cloud & DevOps:** AWS (EC2, S3, RDS, CloudFront), Docker, GitHub Actions (CI/CD), Nginx, Sentry
- **Testing & Quality:** Playwright, React Testing Library, Jest, JMeter, ESLint, Prettier
- **Other Tools:** Jira, Figma, Postman, Webpack, Babel

Professional Experience

Software Engineer (SimpleWorks Solutions Pvt. Ltd.) | Nagpur, India

Apr 2022–Present

- Led the end-to-end migration of a legacy PHP/Smarty CRM product to a scalable MERN-based microservices architecture (React, Node.js, Mysql, Docker), improving system scalability and developer velocity by **40%**.
- Modernized the UI using **React.js, TypeScript, Material UI, and Tailwind**, achieving **30% faster load times** and **40% higher maintainability**. built a reusable shared component library accelerating feature development by **20%**.
- Re-architected backend services into optimized **Node.js microservices** with Redis caching, reducing API latency by **35%**. improved data flows using REST/GraphQL and WebSockets, boosting developer productivity by **40%**.
- Modernized application state management by replacing Redux with **TanStack Query + Zustand**, reducing boilerplate by **50%** and streamlining async data handling patterns.
- Implemented a monorepo architecture, containerized services with Docker and set up CI/CD pipelines using GitHub Actions + AWS (EC2, S3, CloudFront), cutting deployment times by **25%**.
- Strengthened application security by implementing **JWT authentication** and adopting **OWASP** best practices for backend and frontend systems.
- Led a team of 3 junior developers within an Agile/Scrum workflow (Jira), collaborating with product managers to drive architecture discussions and implement higher code-review standards that reduced production defects by **15%**.
- Technologies: React.js, Next.js, TypeScript, Material UI, Tailwind CSS, Redux/Zustand, Node.js, REST/GraphQL, WebSockets, Docker, AWS, Redis, Sentry

Software Engineer — Freelance (Whiteboard Software Solutions) | Nagpur, India

Feb 2020–Jan 2022

- Developed the “Jyotish Vishwakosh” web portal (CodeIgniter/PHP backend + React.js frontend) and a Flutter mobile application serving 1 000+ active users.
- Migrated a legacy PHP system into a modern Node.js backend + React frontend architecture, improving structure, maintainability and integration readiness.
- Technologies: React.js, Node.js, CodeIgniter (PHP), AWS, Flutter, Firebase

Projects

CVision — AI-Powered Resume Builder | github.com/saurabh374/CVison

- Built a full-stack MERN app with Next.js + TypeScript and AI-powered content generation via Google Gemini API.
- Designed scalable dashboards, real-time UI updates, and PDF export system.
- Implemented clean separation of concerns between UI, state, and backend logic.
- Technologies: Next.js, TypeScript, MongoDB, Node.js, Google Gemini API

Chatify — Real-Time Chat App | github.com/saurabh374/Chatify

- Developed a real-time chat system using React.js, Socket.IO, RabbitMQ and Redis. Designed UI/UX for scale, message persistence, presence tracking and live updates.
- Focused on SPA performance, UI components, and clean front-end architecture to ensure scalability and maintainability.
- Technologies: React.js, Node.js, RabbitMQ, Redis, MongoDB

Education

Master of Computer Applications (CGPA: 8.6)

Shri Ramdeobaba College of Engineering, Nagpur | Sept 2020–Jun 2022

Bachelor of Computer Applications

Shri Shivaji Science College, Nagpur | Jun 2017–May 2020

Certifications

Oracle Cloud Infrastructure 2025 Certified Generative AI Professional

AWS Certified Cloud Practitioner