

Gaurav Pramod Singh

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TECHNICAL SKILLS

Languages:	JavaScript(ES6), Python, TypeScript, Java
Frontend:	React.js, Next.js, Redux Toolkit, Tailwind CSS, Vite, React Hook Form, Recharts
Backend & APIs:	Node.js, Express.js, NestJS, REST APIs, Prisma, Stripe API
Database:	MySQL, PostgreSQL, MongoDB, Redis
Cloud & DevOps:	Docker, Kubernetes (Minikube), AWS (EC2), CI/CD, Git, GitHub
Testing & API Tools:	Unit Testing, Integration Testing, Postman, Swagger
AI & Automation:	Prompt Engineering, LLM APIs

EXPERIENCE

Software Engineer, Mepro Tech | Mumbai, India

Apr 2022 – Aug 2023

- Optimized backend service flows for a production platform, achieving a **30% reduction** in API response time through MongoDB schema refactoring and query optimization.
- Built and shipped REST APIs using **Next.js** and MongoDB; documented and validated endpoints with **Swagger** and **Postman**.
- Refactored JavaScript and Python modules to eliminate recurring logic issues, reducing QA rework and improving release reliability.
- Documented module dependencies and system workflows for a **6+ person team**, accelerating onboarding and cross-team collaboration.
- Streamlined **CI/CD** pipelines using **Git/GitHub** and LLM tools to accelerate debugging, documentation drafts, and test-case generation.

Software Developer Intern, TechLuminix | Remote, India

Jun 2024 – Sep 2024

- Led end-to-end development of a tournament management module (Scrum Master + IC).
- Programmed core logic for tournament creation, division setup, tee-sheet generation, and real-time scoring; performed regression testing and performance analysis to identify bottlenecks.
- Integrated **Stripe APIs** for payments, refunds, and connected-account payouts; implemented secure webhook handling and drove a **20%** increase in registrations.
- Built dynamic multi-step dashboards using React, Redux, and **React Hook Form** with robust validation and responsive UX.
- Developed and optimized backend APIs using **Node.js**, **Express**, and **MongoDB**, including secure session-based logic for sensitive actions.
- Architected **AWS EC2** deployment with **Load Balancers** and **CloudWatch** monitoring, ensuring **99.9% uptime** for a high-traffic tournament module.

PROJECTS

FormFlow | React, NestJS, PostgreSQL

GitHub

- Engineered a full-stack form builder and response platform leveraging React + Vite + Tailwind (frontend) and NestJS + TypeScript + Prisma + PostgreSQL + Redis (backend).
- Architected core workflows: **auth (JWT)**, form CRUD + reorder, publish + slug-based public form fetch, and public submissions storing structured responses and field-level answers.
- Orchestrated backend deployment using **Kubernetes**, deploying **horizontal pod auto-scaling (HPA)** and Redis-based rate limiting to ensure system resilience under high traffic loads.
- Documented APIs with **Swagger/OpenAPI** and validated endpoints with **Postman** (plus PowerShell API tests during development).

Stock Market Tracker | React, Redux, Node.js

GitHub

- Built and deployed a real-time stock dashboard using React, **Redux Toolkit**, **Recharts**, and the **Alpha Vantage API**.
- Implemented **rate-limit handling** with retry/fallback flows to keep quotes and charts loading reliably.
- Added portfolio tracking, watchlist, and a light/dark theme with clean **global state management**.
- Structured the codebase with scalable **Redux slices** and reusable UI components to support feature expansion.
- Deployed the application on **Vercel** using environment variables to ensure secure configuration management.

EDUCATION

Oregon State University | Corvallis, OR

Sep 2023 – Dec 2025

Master of Engineering, Computer Science

Thakur College of Science and Commerce | Mumbai, India

Jun 2019 – Mar 2022

Bachelor of Science, Computer Science