Poorab Patel

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Summary

Backend Engineer with hands-on experience designing scalable, low-latency systems using Nest.js and TypeScript. Strong in backend architecture, asynchronous processing, real-time communication, database optimization, and cloud deployments. Proven ability to deliver production-grade features impacting performance, reliability, and user engagement.

Experience

Backend Developer *Gurugram, Haryana*
Knot Dating *Nov 2025 – Present*

- Designed and developed **scalable backend services** using **Nest.js and TypeScript** supporting thousands of concurrent users.
- Implemented **real-time in-app audio/video calling** using **WebRTC**, improving user interaction and session duration with **AI moderation**.
- Used **asynchronous processing using RabbitMQ** to handle background jobs, notifications, and high-volume events reliably.
- Integrated **Redis caching**, reducing database load by approx. **35%** and improving response times for frequently accessed endpoints.
- Designed an **Engagement layer** to track and enhance user interactions and retention across key application flows.
- Integrated **Sentry** for real-time error tracking and performance monitoring, reducing issue resolution time.
- Deployed and scaled services on **Google Cloud Platform (GCP)**, ensuring high availability and fault tolerance.

Software Development Intern (MERN Stack) *Raipur, Chhattisgarh*
CodeNicely *June 2025 – Present*

- Developed **RESTful APIs** using **Node.js and Express.js** for production systems.
- Contributed to **GimBooks** (1M+ downloads), a large-scale GST invoicing platform.
- Built responsive frontend components using **React.js, Redux Toolkit**, and **Tailwind CSS**.
- Used **Docker** to containerize services and streamline deployment pipelines.

Projects

JobEasy – Job Portal Platform *GitHub*
MongoDB, Express.js, React.js, Node.js, Redux

- Built a full-stack job portal with authentication, role-based access, and job workflows.
- Implemented global state management using **Redux Toolkit** for predictable data flow.

ShipSense – Logistics Management System *GitHub*
Node.js, Express.js, React.js, MongoDB

- Developed shipment tracking and warehouse management workflows.
- Implemented secure **JWT-based authentication** with role-based authorization.

Technical Skills

Languages: TypeScript, JavaScript, C++, Python, SQL

Backend: Node.js, Nest.js, Express.js, WebRTC, RabbitMQ, Redis, Socket.io, JWT

Cloud & Tools: GCP, AWS, Docker, Git, GitHub, Postman, Nginx, Jenkins, MongoDB Atlas, Sentry

Education

Amity University *Raipur, Chhattisgarh*
B.Tech in Computer Science & Engineering *2021 – 2025*

- GPA: 9.25 / 10.0 — **University Topper (B.Tech CSE)**