

Jay Patel

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Ahmedabad, India

SUMMARY

Backend Developer with **4+ years of experience** building scalable backend systems using Node.js and NestJS. Strong expertise in REST API architecture, MongoDB AND MySQL schema design, RBAC implementation, subscription systems, and payment integrations. Experienced in designing CMS-driven platforms and performance-optimized APIs.

EXPERIENCE

Challenge Technolabs

Aug. 2022 – Present

Backend Developer

Ahmedabad, India

- Designed and developed **scalable REST APIs** using NestJS and Express.js
- Built modular backend systems for transport and tourism platforms
- Implemented **RBAC, authentication, and subscription management**
- Optimized MongoDB queries using **indexing and aggregation pipelines**
- Integrated payment gateways and cloud storage services

Sutra Analytics

Mar. 2021 – Jul. 2022

Full Stack Developer

Ahmedabad, India

- Developed backend APIs using Node.js and Express.js
- Built **CRM and workflow automation tools**
- Contributed to frontend development using React.js, HTML, and CSS

PROJECTS

Truckbilty – Transporter Platform | *NestJS, MongoDB, Cloudinary, Razorpay*

- Built modular REST APIs with **Mongoose-based schema design**
- Built a flexible CMS-driven backend architecture to manage transport content (bilty, loading slip, collection memo, invoice, ledger, accounting management, role based access, subscription, impliment razorpay payment gateway, custom reports).
- Implemented RBAC and subscription management system
- Integrated **Razorpay payment gateway** for seamless transaction handling
- Designed optimized aggregation pipelines for reporting and analytics

Alakh Holidays – Tourism Platform | *NestJS, MongoDB, Cloudinary*

- Developed **SEO-ready APIs** for Next.js frontend integration
- Built a flexible CMS backend architecture to manage tourism content (packages, inquiry management, hotels,manage offers,quotation,with realtime notification using Socket.IO,etc.)
- Implemented dynamic filtering, pagination, and search functionality
- Built scalable **CMS-driven backend modules**

Sales CRM Application

- Developed REST APIs for **sales dashboard and lead management**
- Improved MySQL query performance through optimization and indexing

EDUCATION

Saffrony Institute of Technology

2017 – 2021

Bachelor of Engineering in Information Technology

Gujarat, India

- **CGPA: 7.5**

SKILLS

Languages: JavaScript, TypeScript

Backend: Node.js, Express.js, NestJS, Socket.IO

Database: MongoDB, MySQL

Tools: Git, Docker, Swagger, Postman

Concepts: REST APIs, RBAC, Aggregation Pipelines, Payment Integration