

PRATHAM PATEL

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Summary

Backend-focused Software Engineer with 1+ year of experience building scalable web applications and backend systems using Node.js, PostgreSQL, Redis, and AWS. Experienced in designing RESTful APIs, implementing authentication and authorization systems, developing real-time applications, and deploying containerized services. Strong understanding of database design, clean architecture, CI/CD pipelines, and performance optimization. Passionate about building reliable, maintainable, and production-ready software while continuously learning modern backend technologies and system design principles.

Technical Skills

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

Backend: Node.js, Express.js, REST APIs, GraphQL, Socket.IO, Microservices

Databases & Caching: PostgreSQL, MongoDB, Redis, Prisma ORM, Mongoose

Cloud & DevOps: AWS (EC2, S3, RDS), Docker, Nginx, GitHub Actions (CI/CD), Kubernetes (Basics)

Authentication & Security: JWT, NextAuth, RBAC, OAuth 2.0

Testing & Monitoring: Jest, Supertest, Postman, Prometheus, Grafana

Architecture & Concepts: Database Design, Query Optimization, Caching, Event-Driven Architecture, System Design Fundamentals

Frontend: React, Next.js

Experience

Full stack developer

June 2025 - Present

Patoliya Infotech

Onsite

- Developed and maintained REST APIs using Node.js, Express.js, PostgreSQL, and Prisma for HRM and EdTech platforms.
- Implemented RBAC-based authentication and authorization across multiple user roles.
- Built real-time communication features using Socket.IO for messaging and live updates.
- Refactored legacy modules into reusable service-based architecture following SOLID principles.

Projects

SyncStream: Real-Time Music Room | *Next.js, Node.js, PostgreSQL* | [github](#)

July-2024

- Built a real-time music synchronization platform using Node.js, PostgreSQL, Redis, and Socket.IO.
- Implemented Redis Pub/Sub and WebSockets for low-latency communication and synchronized playback.
- Designed PostgreSQL schemas using Prisma ORM for room management and voting workflows.
- Deployed containerized services on AWS using Docker.

Grocery Store - An E-commerce Application | *React, Node.js, MongoDB* | [github](#)

May-2024

- Developed an e-commerce platform with authentication, order management, payment integration, and admin dashboard.
- Designed REST APIs using Node.js and MongoDB for product, user, and order management.
- Containerized and deployed services on AWS EC2 using Docker and Nginx.
- Implemented CI/CD pipelines using GitHub Actions.

LearnLive: E-learning platform | *Next.js, PostgreSQL* | [github](#)

July-2024

- Developed backend services for course management, enrollments, and progress tracking.
- Designed PostgreSQL schemas using Prisma ORM and implemented secure authentication using NextAuth.
- Integrated payment workflows and automated enrollment management.

Education

Babu Madhav Institute of Information Technology

Sep. 2020 – May 2023

Bachelor of Science in Information Technology

Bardoli, Gujarat

Jain (Deemed-to-be University)

Aug. 2023 – June 2025

Masters of Science in Computer Science and Information Technology

Bangalore, Karnataka