

Rutvik Makvana

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📍 Surat, Gujarat, India  Immediate Joiner

PROFILE SUMMARY

Node.js Backend Developer with **3+** years of experience building backend systems in Node.js, TypeScript, Express.js, PostgreSQL, MongoDB, Redis, and RabbitMQ. Focused on REST APIs, asynchronous workflows, real-time communication, and third-party integrations, with experience delivering RAG-based chatbot features using OpenAI APIs and vector search.

SKILLS

Backend Development — Node.js, TypeScript, JavaScript, Express.js

Databases & ORM — PostgreSQL, MySQL, MongoDB, Redis, Prisma ORM, Sequelize ORM

Messaging & Real-Time Systems — RabbitMQ, WebSockets, Socket.io, Server-Sent Events (SSE)

AI & LLM Integrations — OpenAI API, RAG Chatbots, Embeddings, Vector Search

API Development — REST APIs, Swagger/OpenAPI, JWT Authentication, OAuth 2.0, Webhook Integrations

Payments & Integrations — Stripe, SkipCash

Cloud & DevOps — Docker, Docker Compose, AWS EC2, AWS S3, GitLab CI/CD, GitHub Actions

Development Tools — GitHub, GitLab, Postman, VS Code, PgAdmin, MySQL Workbench

EXPERIENCE

Node.js Developer | Dignizant Technologies LLP 02/2025 – 04/2026 | Surat, India

- Migrated a property management platform from PHP to Node.js, improving scalability and overall system performance.
- Implemented idempotency keys and database-level locking to prevent duplicate bookings during concurrent traffic.
- Reduced API latency by 30% using Redis caching and optimized database queries.
- Built real-time communication with WebSockets and SSE, and used RabbitMQ for asynchronous workflows and background job scheduling.
- Integrated Guesty and Avantio through webhook-based reservation synchronization.
- Developed backend services using Node.js, Express.js, Prisma ORM, PostgreSQL, and NX monorepo architecture.
- Developed a RAG-based chatbot using OpenAI APIs for automated, context-aware guest query handling.

Node.js Developer | iRoid Solutions 07/2023 – 11/2024 | Surat, India

- Designed and built scalable RESTful APIs for social media, dating, note-taking, and e-commerce applications.
- Integrated third-party APIs and payment gateways (Stripe, SkipCash), including secure transactions and webhook handling.
- Implemented real-time communication and push notifications using Socket.io, WebSockets, and Firebase Cloud Messaging (FCM).
- Applied validation, JWT authentication, and RBAC to secure backend services.
- Diagnosed and resolved production issues, improving API reliability and system stability.
- Collaborated with cross-functional teams to deliver backend features from development to production.

Software Engineer | SolGuruz LLP 10/2022 – 06/2023 | Ahmedabad, India

- Developed RESTful APIs using Node.js and Express.js.
- Worked with PostgreSQL and Sequelize ORM for database design and data handling.
- Contributed to backend feature development, debugging, and API integrations.
- Started as an intern and transitioned into a full-time role while building core backend development skills.

PROJECTS

Frank Porter - Airbnb Property Management Platform

Tech Stack : Node.js, Express.js, TypeScript, PostgreSQL, Prisma, RabbitMQ, Redis, WebSockets, NX Monorepo

- Developed a scalable property and reservation management system handling bookings, availability, and guest communication.
- Migrated the platform from PHP to Node.js, improving scalability and overall system performance.
- Implemented idempotency keys and locking mechanisms to prevent duplicate bookings under concurrent traffic.
- Integrated third-party platforms (Guesty, Avantio) via webhook-based reservation synchronization.
- Built real-time communication using WebSockets and SSE, and used RabbitMQ for asynchronous workflows.
- Improved API response time and reduced database load using Redis caching and query optimization.
- Developed a RAG-based chatbot using OpenAI APIs, embeddings, MongoDB vector search, and retrieval-based prompting for automated guest support.

ShopVerse - E-Commerce Platform

Tech Stack : Node.js, TypeScript, Express.js, PostgreSQL, MongoDB, Prisma, Redis, RabbitMQ, Docker, Microservices

- Designed and developed a microservices-based e-commerce backend with services for API Gateway, Auth, Users, Products, Orders, and Payments.
- Implemented an API Gateway for routing, authentication, rate limiting, and centralized logging.
- Used PostgreSQL (Prisma) for transactional services and MongoDB for product catalog data.
- Built secure RESTful APIs with JWT authentication, RBAC, input validation, and centralized error handling.
- Implemented event-driven communication using RabbitMQ for order processing and inventory updates.
- Integrated Redis caching to improve performance and reduce database load.
- Followed database-per-service architecture for better scalability and service isolation.
- Containerized services using Docker and Docker Compose for consistent environments.

EDUCATION

Bachelor of Engineering in Information Technology,
Sarvajanik College of Engineering and Technology

08/2019 – 07/2023 | Surat, India