RAVI VERMA
Backend Developer

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Summary

Backend Developer with 2.4+ years of experience building scalable APIs and systems using Node.js, TypeScript, SQL/NoSQL, and real-time tech. Focused on high-performance backend design, tackling complex challenges in fast-paced teams, and growing in Python, system design, scalability, and cloud infrastructure.

Technical Skills

Languages: JavaScript (ES6+), TypeScript, SQL, Python (Intermediate).

Backend/Frameworks : Node.js, Express.js, NestJS, REST APIs, WebSockets(Socket.io).

Databases: MySQL, PostgreSQL, Oracle, MongoDB, Redis, Prisma(ORM).

DevOps/Cloud: Docker, AWS (S3, RDS), Git, GitHub Actions(CI/CD).

Practices: Clean Code, Unit Testing (Jest), Rate Limiting, Security Best Practices, Payment Integration, DSA.

Experience

Backend Developer (Remote Contract)   Jan 2025 – July 2025
MFS Travel - SaaS platform for travel bookings and CRM
- Collaborated with backend team to design and build a scalable CRM with auth, roles, tracking, and chat.
- Built high-performance APIs using Node.js, Express, Typescript, SQL, and WebSockets for low-latency.
- Handled 10K+ records and 500+ concurrent users using Redis for caching and optimized SQL queries and indexes.
- Integrated AWS S3 for uploads and set up automated CI/CD with GitHub Actions.
- Contributed to backend architecture, built reusable modules, and followed best practices for scalability.

Node.js Developer (Onsite)   Feb 2023 – Nov 2024
Manthan IT Solutions - Enterprise tech services
- Enhanced backend performance using Node.js, Express.js, and Oracle DB, cutting API latency by 40%.
- Developed core backend modules, participated in code reviews, fixed critical bugs, and ensured system stability.
- Resolved security vulnerabilities, wrote clean and maintainable code, and collaborated with the frontend team.
- Maintained smooth data flow and backend efficiency in high-traffic production environments.
- Integrated third-party services and actively participated in code reviews and backend design discussions.

Projects

Dealer Evaluation Audit System – Honda 2Wheelers India (Developed at MIS)
- Built scalable backend for Sales, Service, and Bigwing, handling 20K+ concurrent users across India.
- Reduced audit report time by 80% by optimizing SQL queries, enabling real-time data sync, and improving overall backend performance.
- Built REST APIs, modular features, integrated third-party services, and collaborated with frontend team.

Smart Ticket Resolution System – Manthan IT Solutions
- Developed backend for a ticketing system from scratch, automating issue tracking and boosting resolution speed.
- Delivered real-time chat, auto ticketing, and role-based auth using JWT and MySQL, including UI integration.
- Designed a scalable backend with three login roles to handle high-volume ticket processing, improving resolution time by 45%.

FixItAI (AI Code Assistant) — Code Repository
- Built an AI coding assistant that analyzes, explains, refactors, fixes code, and accesses repos via GitHub OAuth.
- Integrated GPT-4, Gemini, and OpenRouter APIs with fixed prompts and Leaky Bucket algorithm rate limiting.
- Used Judge0 for secure code execution and Babel AST for code parsing in a Node.js and TypeScript backend.
- Planned multi-language support and real-time collaborative coding using WebSockets and modular backend design.

Education

Indira Gandhi National Open University   2022 – 2025
Bachelor of Computer Applications (BCA)   *New Delhi*