

NIKHIL BHAVSAR

Lead Developer | Senior Software Engineer (**Node.js / MEAN Stack**)
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PROFESSIONAL SUMMARY

MEAN Stack & Node.js Developer with 5+ years of experience building scalable backend systems, microservices, and enterprise web applications. Strong expertise in Node.js, Express.js, Nest.js, Angular, MongoDB, MySQL, Redis, RabbitMQ, AWS, and production-grade API development. Proven record of modernizing legacy systems, optimizing performance, and delivering clean, maintainable code. Experienced in API architecture, DB optimization, caching, CI/CD workflows, and microservice communication. AI/LLM integrations (OpenAI, Deepgram, Gemini) are an added advantage for workflow automation and enhancing product intelligence.

CORE TECHNICAL SKILLS

| Category | Skills |
|-------------------------------------|---|
| Backend & Full-Stack | Node.js, Express.js, Nest.js, JavaScript, TypeScript, Angular 8+, RxJS, REST APIs, Microservices, MVC Architecture |
| Databases | MongoDB (Aggregation Pipelines, Indexing), MySQL (CTE, Joins, Transactions), Redis (Caching), RabbitMQ (Queues) |
| Cloud & DevOps | AWS (EC2, S3, Lambda, SQS), Docker, GitHub Actions, Nginx, Linux |
| AI / LLM (Advanced Skillset) | Deepgram Speech-to-Text, OpenAI, Gemini, LLM integrations, Prompt engineering & automation, Open CV |
| Tools | Git, Postman, Jira, VS Code |

PROFESSIONAL EXPERIENCE

Etech Global Pvt. Ltd — Lead Developer / Senior Software Engineer

May 2023 – Present

- Modernized enterprise applications by migrating legacy products to a Node.js + Angular architecture.
- Architected backend APIs for QEvalPro, improving API performance and stability.
- Designed data-intensive pipelines using MongoDB Aggregations, improving query speed by 40%.
- **Built AI-assisted transcription** & analytics tools using Deepgram, reducing QA manual effort by 70%.
- Developed reusable microservices for analytics, scoring, reporting, and workflow automation.
- Actively mentored junior developers, conducted structured code reviews, and improved sprint velocity.
- Collaborated with QA, DevOps, and Product teams ensuring smooth CI/CD deployments.

Solution Analysts Pvt. Ltd — Software Engineer

Dec 2021 – May 2023

- Developed backend services using Node.js + MongoDB for analytics-driven applications.
- Built advanced reporting modules using lookup, unwind, facet aggregation patterns.
- Improved backend data workflows through optimized indexing and caching strategies.
- Delivered multiple client-specific backend modules with end-to-end API ownership.

Micrologix Solutions Pvt. Ltd — Software Engineer

Jan 2021 – Dec 2021

- Led backend development for banking & accounting systems using Node.js + MySQL.
- Implemented complex SQL logic (CTEs, joins, transactions), reducing processing time by 30%.
- Designed and developed a reusable ORM-based backend architecture for modular development.
- Delivered high-volume reporting features with optimized DB performance.

Teksun Microsys Pvt. Ltd — Junior Software Engineer

May 2019 – Dec 2020

- Built backend APIs and database layers for a drone-based delivery platform (DRONEDEK).
- Implemented secure user management, delivery workflows, and AWS integrations.
- Engineered image-processing utilities (fisheye → normal conversion) using Python + OpenCV.
- Worked closely with senior engineers to manage servers and deployment pipelines.

PROJECTS

QEvalPro Platform — Etech Global Pvt. Ltd

- Built a scalable microservice backend architecture using **Node.js**, **Express**, and **TypeScript**, supporting real-time call evaluation, sentiment analysis, and transcription.
- Implemented **MongoDB Aggregation Pipelines** to optimize data retrieval for large volumes of call data, resulting in **40% faster query performance**.
- Developed REST APIs for user management, scoring, and reporting, ensuring **secure and performant access**.
- Integrated **Deepgram** for speech-to-text functionality, enabling live transcription and quality scoring.
- Automated summary generation and emotion detection using **Generative AI (OpenAI/Gemini)**, reducing manual QA workload by **70%**.
- Designed and enforced role-based access control (RBAC) and caching strategies (Redis) to improve scalability.

Project Forge — Etech Global Pvt. Ltd

- Architected and developed a **custom internal tool** (Project Forge) for resource tracking, project planning, and workflow automation using the MEAN stack (MongoDB, Express.js, Angular, Node.js).
- Created dynamic dashboards and real-time data visualizations with Angular, reflecting project progress, resource utilization, and sprint health.
- Built backend microservices to handle project creation, updates, assignments, and notifications.
- Integrated **RabbitMQ** to handle asynchronous tasks (like email notifications, task reminders) and **Redis** cache for fast retrieval of commonly accessed data also Established CI/CD pipelines using **GitHub Actions** and Docker to streamline deployment across environments.

Funfull – Family Entertainment Center Platform — Solution Analysts Pvt. Ltd

- Contributed to the development of the backend system for **Funfull**, a family entertainment center web platform, using **Node.js** and **MongoDB**.
- Designed and implemented REST APIs for managing entertainment services like bookings, membership, ticketing, and user profiles.
- Used **MongoDB Aggregations** (lookup/unwind/facet) to build complex reporting modules for center operators, enabling real-time insights on attendance, revenue, and peak hours.
- Improved system performance by implementing efficient database indexing and optimizing query flows, reducing average query latency by **35%**.
- Implemented caching via Redis to manage high volume of membership lookup and booking information under peak loads.

EDUCATION

Bachelor of Engineering (Computer Engineering)

Gujarat Technological University — 8.4 CGPA
2017 – 2021

CERTIFICATIONS

- AWS Cloud Practitioner Training
- Google Generative AI
- Deepgram Audio Intelligence Workshops

LANGUAGES

- English (Fluent)
- Hindi (Fluent)

SOFT SKILLS

Leadership • Communication • Ownership • Problem-Solving • Collaboration