

Dipang Bhadrecha

Back-End Software Engineer

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WORK EXPERIENCE

Freelance Developer

Oct 2024 - Present

Designed user interfaces. Subsequently, I developed the complete backend and database architecture from scratch using Node.js and MongoDB, coordinating with the frontend team and managing project timelines to ensure successful delivery and handover to the client.

Ahura Technosoft Software Engineer

Sep 2023 - Oct 2024

Worked as a backend engineer across multiple in-house and client-facing projects, primarily using Node.js, Express, MongoDB, Redis, and AWS EC2. Contributed to infrastructure scaling, real-time communication features, and data optimization. Collaborated cross-functionally with frontend and mobile app teams to deliver production-ready APIs and improve system efficiency.

Bytes Technolabs Node.js Developer

Mar 2023 - July 2023

Completed a 4-months Node.js training program while collaboratively building backend APIs for a grocery application.

Projects

Evindia – EV-Focused Platform

<https://evindia.online/>

Maintained backend, integrating API functionalities for the admin panel. Migrated database infrastructure to AWS to reduce latency and centralise system architecture. Redesigned and handling by optimising MongoDB aggregations, importing large Excel datasets, and exporting CSVs, reducing the lead processing time from 10–15 minutes to close to 1 minute.

- Improved backend performance by approximately 80%, significantly reducing data load and response time.

Atleast – Real-Time Multiplayer Card Game

Designed and developed a complete backend architecture from scratch for a real-time multiplayer card game. Implemented game logic, matchmaking features using Node.js, Redis, and Socket.IO. Built scalable APIs and data models.

Quotastic – Quotation Management App

<https://quote.ahura.xyz/>

maintain and verify RESTful APIs. Conducted in-depth debugging and resolved broken or misfiring endpoints. Enhanced API response and fixed all APIs for frontend integration.

- Reduced API error rate by over 90% and ensured almost 100% uptime after debugging and optimising endpoints.
- [See More projects](#)

Education

B.Tech Computer Engineering [MEFGI](#)

May 2017 – July 2021

Skills

Programming Languages: C, C++, JavaScript, TypeScript, HTML CSS, SQL

Frameworks Technologies: Node.js, Express.js, NestJS, RESTful APIs, Socket.IO, MongoDB, MySQL, AWS EC2, S3 (basic usage), Database Design Query Optimization, API Development Integration

Tools Development: Git GitHub, Postman API Testing, Linux CLI, Ubuntu OS

Data Structures Algorithms, Problem-Solving