

ASHISH RAI

ashishrai888o@gmail.com | +91-9650639096 | [linkedin.com/in/ashishrai888o](https://www.linkedin.com/in/ashishrai888o)

About

Experienced Backend Developer with **3+ years** of expertise in **NodeJs and NestJs**, focused on delivering high-performance, user-centric applications. Seeking challenging opportunities to contribute innovative solutions and create impactful application experiences.

Skills

- **Frameworks** : NodeJs , NestJs , Vue 3
- **Databases** : PostgreSQL , MongoDB , Oracle DB , MySQL , Redis
- **DevOps** : Docker , Jenkins , CI/CD , Linux , Basic Kubernetes and Helm , AWS .
- **Others** : Microservices , Express , SocketIO , Pub/Sub , MySQL , BullMQ , Typesense, System Design , DSA

Work Experience

1. Antino Labs Inc | Software Engineer

Jan'25- Present (Full Time) , Gurgaon Sector 49

a. OfficeBanao - Client Side Projects

- Designed and implemented a **Git-like Version Control System** for architectural drawings, enabling **branching** and commit history. This software saves **15,340 Rs (Autocad Price)** per month per architect of the company . The company has **20+ Architects** who were using Autocad .
- Developed an **AI-powered chatbot** using **Retrieval-Augmented Generation (RAG)**, integrating PDF data storage in a vector database and delivering precise responses to user queries through **large language models (LLMs)** and boosting productivity by **2X**
- Developed an **AI-powered WhatsApp Chatbot** using **AI Sensy** to automate query resolution, enhancing user engagement and streamlining customer support processes which decreases customer support response time by **70%**.
- Built a robust **real-time commenting system** with NestJS, WebSockets, and Redis Pub/Sub, allowing teams to collaborate instantly with thread management, notifications, and contextual discussions inside drawings.
- Implemented a **high-performance Typesense** search layer, enabling real-time, typo-tolerant search across projects and drawings and boosting **retrieval speed by 60%**.

b. BHEL (Bharat Heavy Electronics) - Client Site Projects

- Developed and deployed RESTful APIs for a financial management system in **Node.js** for the **BHEL project**, ensuring secure and scalable architecture .
- Implemented **CI/CD pipelines for dev environments using Jenkins**, automating build, test, and deployment processes to improve delivery efficiency **by 50%**.

- Integrated **Oracle Database** using **Knex.js ORM**, implementing complex queries and optimizing DB performance.
- Collaborated with cross-functional teams to gather requirements, perform code reviews, and ensure adherence to financial compliance standards.

2. **TripXL Holidays** | Software Engineer

May'24 - Jan'25 , Gurgaon

- Developed and optimized backend services in **Nest.js** for a unified platform supporting a CRM, agent portal, and customer-facing website in the **Tour and Travel package** industry.
- **Designed and implemented** an advanced **invoice** and **payment system** using **Razorpay** for seamless booking and commission management.
- Integrated **OAuth2-based authentication** for **Google** and **Facebook** login/signup, enhancing user experience and implemented **Redis caching** to drastically reduce API response time and improve system performance.
- Enabled **real-time synchronization** between customer bookings and agent notifications, ensuring transparency and seamless communication using **RabbitMQ message broker**.

3. **Digivive Services** | Software Engineer

Nov'22 - Feb'24 (1.4 Year , Full Time) **Gurgaon**

- Contributed to the development of an OTT platform having **10 million+** downloads on Play Store.
- Developed REST APIs for various functionality, including **Watchlist, Recommended Video , Subscription Details , Trailer Play , Payment URL** and many more . Utilized **Node.js** to ensure robust and efficient API performance.
- Implemented **Redis** caching to improve API performance and reduce database load.and API **response time** upto **7 times**.
- Implemented robust permission management system using the **CASL** library to enhance security and control access .
- Collaborated on both **front-end and back-end solutions**, specializing in Vue 3. and Implemented **Dynamic form** for making it more comfortable for clients to add fields.

Education Qualification

1. **Bachelor of Technology** | Computer Science | **8.5 CGPA** | **August 2019 - April 2023**

Maharshi Dayanand University (MDU) Rohtak , Haryana

Academic Achievements

1. **Leetcode** : Solved **300+ questions** of DSA ,In top 30% leetcoders as per Contest Rating .

<https://leetcode.com/ashishrai888o>

2. **GeeksForGeeks**:Solved more than **350+** questions of DSA .

<https://www.geeksforgeeks.org/user/ashishrai888o/>