

# ASHISH RAI

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## 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

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1. Bachelor of Technology | Computer Science | 8.5 CGPA | August 2019 - April 2023  
Maharshi Dayanand University (**MDU**) Rohtak , Haryana

## Academic Achievements

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1. **Leetcode** : Solved **300+ questions** of DSA ,In top 30% leetcoders as per Contest Rating .  
<https://leetcode.com/ashishrai8880>
2. **GeeksForGeeks**:Solved more than **350+** questions of DSA .  
<https://www.geeksforgeeks.org/user/ashishrai8880/>