

# Vishal Gwala

☎ +91- 8690226982 ✉ [vishalgwala86@gmail.com](mailto:vishalgwala86@gmail.com) 🌐 [vishalgwala](https://vishalgwala.com) 📄 [vishalgwala](https://vishalgwala.com)

## PROFESSIONAL SUMMARY

---

As a Backend Software Engineer with a focus on developing scalable and efficient systems, I specialize in creating robust backend architectures that power seamless user experiences. Currently, I am involved in backend development at Moonstack pvt. ltd. My expertise includes designing scalable databases, implementing secure and efficient APIs, and optimizing performance for high-traffic applications. With a strong foundation in backend technologies and a commitment to continuous improvement, I am dedicated to building reliable systems that meet the evolving needs of users and businesses alike.

## TECHNICAL SKILLS

---

**Programming Languages** : C/C++, JavaScript, TypeScript

**Web Technologies** : Node.js, ExpressJS, NestJS, HTML, CSS, ReactJs

**API Tools** : Git, Swagger, Postman, Socket.io

**Databases** : MongoDB, MySQL, Redis

**Massaging SystemS** : Kafka

**Others** : Encryption, OAuth API, REST APIs, Database Normalization, Aggregation Pipeline, Indexing

## EDUCATION

---

**Poornima Institute of Engineering and Technology**

*Bachelor in Technology*

**GPA : 8.4**

*Sept 2020 – May 2024*

## EXPERIENCE

---

**Associate Backend Developer** | *Moonstack pvt. ltd.*

*May 2024 – April 2025*

- \* Developed RESTful APIs using Node.js and NestJs for various backend services.
- \* Designed and implemented MongoDB schemas using Mongoose for handling data models.
- \* Implement API endpoints for CRUD operations, improving system performance by optimizing database queries.
- \* executed authentication and authorization mechanisms using JWT and Passport.js.

**web Developer - Trainee** | *AU Future Skill Center*

*Oct 2023 – Jan 2024*

- \* Created a strong understanding of Web Development, HTTP protocols, and RESTful APIs.
- \* Learned JavaScript, Node.js, Express.js, MongoDB, and other modern frameworks.
- \* Gained hands-on experience in HTML, CSS, JavaScript, and jQuery to build responsive and interactive web pages.
- \* Worked on small-scale projects, applying best practices in frontend and backend development.

**Web Developer - Internship** | *Learn & Build*

*July 2023 – Sept 2023*

- \* Strengthened my knowledge of JavaScript, HTML,CSS, Bootstrap, and other web technologies.
- \* Gained hands-on experience in HTML, CSS, JavaScript, and jQuery.
- \* Created interactive UI components, improving user experience and engagement.
- \* Explored best coding practices, focusing on clean code and performance optimization.

## PROJECTS

---

### **Job Portal** | *Node.js, NestJs, MongoDB, Mongoose, Microservices, socket.io, Redis*

- \* Developed a scalable job portal platform using NestJS and MongoDB, enabling seamless job posting, job search, and user interactions for candidates and employers.
- \* Designed and enforced comprehensive modules such as job posting, user profiles, applications, and subscription, ensuring modularity and ease of future expansion.
- \* initiated MongoDB schemas for key entities including users, jobs, applications, and companies, optimizing data storage and retrieval for performance and scalability.
- \* Implemented role-based authentication and authorization using JWT and Passport. Enhanced security with bcrypt, Integrated user registration and login modules with email verification.
- \* Enhanced security by adding features like password hashing with bcrypt and secure token management, ensuring user data protection.
- \* Integrated user registration and login modules with email verification, ensuring a robust and secure onboarding process for all platform users.

### **Social Media Application** | *ExpressJs, MySQL , Sequelize , Postman*

- \* Enable users to create and share various types of content, including photos, videos, and text posts. Implement features for uploading, editing, and deleting content.
- \* Implement encryption for sensitive data and ensure secure data transmission. Use secure storage practices for user data.
- \* Implement a search feature that allows users to find friends or family members by name or other identifiers. Optimize search functionality for speed and accuracy.
- \* Design a scalable backend architecture to handle user growth and high traffic. Consider using cloud services for scalability and performance optimization.

### **Chat Application** | *Node.js, NestJs, MongoDB, Mongoose, Microservices, socket.io, Redis*

- \* Developed a real-time two-way communication system using Socket.io and WebSockets for instant messaging.
- \* Implemented Redis for message caching and Kafka for event-driven communication, ensuring high scalability and fault tolerance.
- \* Designed a MongoDB schema to manage users, chat history, and message statuses efficiently.
- \* Built features like one-on-one chat, group messaging, typing indicators, online status, and message delivery receipts.
- \* Ensured secure authentication and authorization using JWT and role-based access control (RBAC).

### **E-Commerce Website** | *Node.js, NestJs, MongoDB, Mongoose*

- \* Created and implemented a scalable database schema for managing products, users, orders, and inventory using MongoDB.
- \* Developed RESTful APIs for the Blog and Blog-Category, including efficient schema design and validation.
- \* Built admin APIs for managing team members, including role-based access control (RBAC) and authentication.
- \* Optimized database queries to enhance performance and ensure seamless data retrieval.
- \* Implemented error handling and validation mechanisms, improving API reliability and security.