

OMKAR MISAL

Backend Developer | Java • Spring Boot • Node.js • REST APIs

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PROFESSIONAL SUMMARY

Backend Developer with hands-on industry experience in Java, Spring Boot, and Node.js/Express.js, specializing in designing scalable RESTful APIs, microservices architectures, and secure authentication systems. Proficient in multi-database environments (MySQL, PostgreSQL, MongoDB) with a strong foundation in schema design, query optimization, and data integrity. Experienced in building backend services that power real-world applications — from hotel ordering platforms to college ERP systems.

TECHNICAL SKILLS

Primary Languages: Java, JavaScript (Node.js), Python

Backend Frameworks: Spring Boot, Express.js, Microservices Architecture

API & Auth: RESTful APIs, JWT, Spring Security, Postman

Databases: MySQL, PostgreSQL, MongoDB — schema design, query optimization, migrations

Frontend (Supporting): React.js, Next.js, HTML5, CSS3

Tools & Version Control: Git, Jira, Maven

Cloud / Certification: Microsoft Azure (AI Fundamentals Certified)

PROFESSIONAL EXPERIENCE

Java Backend Developer (Spring Boot) – ASDR INFOTECH

Oct 2025 – Jul 2026

- Design, develop, and maintain scalable backend services using Java and Spring Boot, following microservices architecture patterns for high availability and maintainability.
- Built a secure authentication and authorization system using JWT and Spring Security, protecting all API endpoints across the platform.
- Integrated MySQL, PostgreSQL, and MongoDB into a unified data layer; optimized queries and indexing strategies to improve response times across high-load services.
- Developed and documented RESTful APIs consumed by frontend teams, enabling seamless end-to-end feature delivery across cross-functional squads.
- Improved backend scalability through code optimization, connection pooling, and efficient database query refactoring.

Full Stack Web Developer – YuktiYantra

Mar 2025 – Mar 2026

- Built and maintained full-stack web applications with a strong focus on backend services using Node.js and Express.js, with React.js/Next.js on the frontend.
- Designed and maintained RESTful APIs, handled server-side business logic, and managed MongoDB data models for production features.
- Improved application performance through backend optimizations, reducing server response times and improving overall reliability.

Database Manager – Codequell

Sept 2024 – Mar 2025

- Designed and managed relational (MySQL) and non-relational (MongoDB) database schemas to support multiple production applications.
- Wrote complex queries, handled schema migrations, and enforced data integrity standards to maintain performance and reliability at scale.

BACKEND-HIGHLIGHTED PROJECTS

QR-Based Hotel Ordering System | Node.js, Express.js, MongoDB, Socket.io, React.js

- Designed and built the entire backend for a real-time hotel ordering platform: customers scan a table QR code, place orders, and the server routes each order to the correct kitchen or bar station instantly via WebSockets.
- Engineered a real-time order routing engine using Socket.io — food orders dispatch to the kitchen display and bar orders to the bar station simultaneously, with zero manual intervention.
- Developed RESTful APIs for full menu CRUD operations (add, edit, delete items), table management, and live order tracking, all consumed by the React.js admin panel.
- Implemented a session management system: the backend tracks all ordered items per table, supports bill generation via API, and on End Session triggers an archive write to a separate order-history schema — resetting the table atomically for the next customer.
- Designed a dual-schema MongoDB data model separating live session state from historical order records, ensuring clean state management and a reliable audit trail.

E-Commerce Platform – Saree Shopping | *Node.js, Express.js, MongoDB, MySQL, React.js*

- Built all backend services for a full-stack eCommerce platform: RESTful APIs for product inventory, user authentication (JWT), order management, and payment gateway integration.
- Designed and optimized MongoDB and MySQL schemas for product, user, and order data; improved query performance to support fast product loading under concurrent user load.
- Implemented server-side business logic for shopping cart state, order lifecycle management, and payment confirmation flows.

College ERP System – Database Backend | *MySQL, MongoDB, Node.js*

- Managed the backend data layer for a college-wide ERP system covering student records, attendance, academics, and administration — serving multiple departments simultaneously.
- Designed normalized relational schemas and optimized query performance; implemented automated backup and recovery procedures to ensure continuous data availability.
- Integrated the database layer with ERP modules via backend APIs, reducing manual data workflows across student management and administrative functions.

EDUCATION

B.Tech in Computer Science & Engineering

Sept 2022 – Sept 2026

Sanjay Ghodawat University, Atigre — CGPA: 8.24

Class XII – Maharashtra State Board

March 2022

Sonai Junior College, Talsande — 80.33%

Class X – Maharashtra State Board

March 2020

Adarsh Gurukul Vidyalaya, Peth Vadgaon — 88.20%

ADDITIONAL INFORMATION

Languages: English, Hindi, Marathi

Certifications: Microsoft Certified: Azure AI Fundamentals