

# Naresh Lokhande

Backend Software Engineer | Java - Spring Boot - REST APIs

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Backend-focused Software Engineer with hands-on experience building modular backend systems and REST APIs using Java and Spring Boot. Strong in production-ready systems including scheduling/workflow logic, OTP authentication, and audit logging, with exposure to multi-tenant SaaS architecture. Experience in SQL Server, Azure deployments, and integrating Next.js frontends when required.

## EXPERIENCE

### Software Engineer - BITCOLLAGE Consulting services LLP

Jan 2025 – Present

- **Designed and developed REST APIs** using Java, Spring Boot, and SQL Server, improving development efficiency by ~30% through reusable design patterns and optimized validation strategies
- **Engineered a scheduling & rescheduling system** with role-based workflows (admin, teacher, student), reducing manual coordination effort by ~40%
- **Built OTP-based authentication and verification system**, along with audit logging and soft-delete support, strengthening security and compliance across services
- **Designed Question Bank service** with hierarchical subject–topic–subtopic mapping and multiple exam creation flows (manual, quick, format-based)
- **Implemented CI/CD pipelines** using GitHub Actions and automated deployments to Azure App Service; managed DB versioning with **Liquibase** for schema consistency across environments.
- Developed a **modular content-management system** supporting ZIP-based learning packages with validation and iframe rendering.
- Designed and developed a multi-tenant carbon accounting (ESG) platform - schema-per-tenant multi-tenancy (custom Hibernate connection provider + tenant resolver), role-based authorization (Spring security), JWT + Google OAuth2, and event-driven organization onboarding/provisioning (Java 21, Spring Boot, PostgreSQL, Hibernate).

## SKILLS

**Backend and Core:** Java, Spring Boot, Spring MVC, Hibernate, JPA, JDBC, REST APIs

**Databases:** SQL Server, MySQL, RDBMS, Liquibase

**Cloud/DevOps:** Azure (App Service, Blob storage), Docker, GitHub Actions, Maven

**Architecture and systems :** Design Patterns, Clean/Layered Architecture

**Security & Features:** JWT, OTP Verification, Audit Logging, Soft Deletes, File Storage

**Frontend (secondary) :** Next.js, React, TypeScript, Tailwind CSS

**Familiar (exposure, not deep) :** AWS (EC2, S3, ECS), AKS / Kubernetes

## EDUCATION

**C-Dac, Mumbai** - PG Diploma in Advanced Computing (PG-DAC)

Mar 2024 - Aug 2024

**B.E. Mechanical Engineering** - PCCOE, Pune 8.44 CGPA

Sep 2018– Jul 2021

## PROJECTS

### Scheduling & Workflow System

- Built role-based class scheduling with recurring events, reschedule workflows, admin overrides.
- Modeled events, attendance logs, and per-session history to keep reports consistent through teacher reassignment (a real data-consistency problem)
- SQL Server persistence with liquibase migrations.

## ACHIEVEMENT

- Delivered full-stack educational platform supporting **1000+ active users**
- Implemented **role-based access control and security workflows** in production systems