

# Om Karnake

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## Java Developer

JAVA | SPRINGBOOT | MICROSERVICES | ANGULAR 15

Java Backend Developer with **3+ years of experience** designing and building scalable enterprise applications using **Java 8, Spring Boot, Microservices, Angular, and PostgreSQL**. Strong expertise in **REST API development, Spring Security (JWT, role-based access), Hibernate / Spring Data JPA, multithreading, SQL optimization, and CI/CD automation**. Proven ability to debug production issues, improve performance, and deliver secure, high-quality backend services in Agile environments.

## EDUCATION

### B.Tech in Civil Engineering

Bajaj Institute of Technology, Wardha.

2018-2022

CGPA – 8.35/10.0

## TECHNICAL SKILLS

- **Backend:** Java 8+, Streams, Lambda Expressions, Functional Programming, Spring Boot, Spring MVC, Microservices Architecture, RESTful APIs, Exception Handling, Validation, Logging, Multithreading, Concurrency Utilities.
- **Security:** Spring Security, JWT Authentication, Role-Based Authorization.
- **ORM & Database:** Spring Data JPA, Hibernate, PostgreSQL, SQL, PL/SQL, Joins, Indexing, Stored Procedures, Query Optimization.
- **Frontend:** Angular 15, TypeScript, HTML5, CSS3, REST API Integration.
- **DevOps & Tools:** Git, GitHub, Jenkins, CI/CD Pipelines, Postman, PgAdmin, Spring Tool Suite (STS).
- **Testing & Quality:** Unit, Mockito, SonarQube (basic).
- **Methodology:** Agile / Scrum, TDD, SOLID Principles.

## PROFESSIONAL EXPERIENCE

### Tata Consultancy Services, Nagpur, India

#### Java Backend Developer – Sentinel Project | Jan 2024 – Aug 2025

- Designed and tested 30+ RESTful APIs using Java 8+, Spring Boot and Spring MVC, reducing API failures by 40%.
- Migrated legacy **Spring MVC monoliths to Spring Boot microservices**, improving application scalability and reducing response time by 35%.
- Implemented **Spring Security with JWT-based authentication and role-based authorization**, securing access for **5+ business roles**.
- Optimized **Spring Data JPA & Hibernate** queries with indexing and joins in **PostgreSQL**, improving query performance by 45%.
- Streamlined concurrent modules using **ExecutorService, synchronized blocks, and concurrent collections** to process **10K+ daily transactions**.

- Collaborated with DevOps teams to integrate **Jenkins CI/CD pipelines**, reducing deployment failures by **30%**.
- Debugged and resolved **50+ production defects**, maintaining **98.5% application uptime**.
- Led code reviews and mentored **3 junior developers**, improving code quality and onboarding efficiency.

**TCS Interactive** – Nagpur, India | **Frontend Developer – Angular** | Aug 2022 – Dec 2023

- Improved responsive UI components using **Angular 15, TypeScript, HTML, CSS**, increasing UI performance by **20%**.
- Fixed UI bugs and conducted code reviews, reducing frontend defects by **25%**.
- Actively participated in **Agile / Scrum ceremonies**, contributing to sprint planning and delivery.

## PROJECTS

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### Angular – Spring Boot To-Do Application

- Built full-stack application using **Angular, Spring Boot, PostgreSQL** with JWT-based authentication and role-based authorization.
- Implemented CRUD APIs, pagination, validation, and error handling.

### AI Workflow Automation – N8N / Make.com

- Automated repetitive operational workflows (Expense Manager), reducing manual effort by **30%**.

### Power BI Dashboard

- Flipkart Sample data Dashboard - [PowerBiDashboard](#)

## CERTIFICATIONS

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- Java Spring Framework 6 with Spring Boot 3 – Udemy
- Learning Automation Workflows with N8N & Make.com – Be10x

## IMPACT AND CONTRIBUTIONS

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- Designed and implemented **Spring Boot REST APIs** handling business workflows with proper validation, exception handling, and logging.
- Analyzed production defects using application logs, stack traces, and SQL queries, reducing resolution time by 30%.

## LANGUAGE COMPETENCIES

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**Marathi:** Native language, **Hindi, English:** Fluent (Speaking, Reading, Writing).