

# DEEPAK JAIN

Senior Backend Engineer — Java | Spring Boot | Microservices | Cloud-Native

11+ Years Experience | B.Tech (CSE) | Relocating — sponsorship required | Remote-from-India also considered  
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## SYNOPSIS

Deep hands-on expertise in Java (8 through 21) and Spring Boot (3.x/3.5+), building secure, high-throughput REST APIs documented with Swagger/OpenAPI.

Cloud-native delivery experience with Docker, Kubernetes, and OpenShift, deploying and orchestrating multi-service systems across dev/staging/production — directly transferable to AWS-based deployment pipelines.

Strong relational and NoSQL database background — schema design, indexing, and query optimization across Oracle SQL and MySQL (PostgreSQL-compatible skillset via shared ANSI SQL/JPA-Hibernate layer) and MongoDB at multi-million-document scale.

Security-first engineering: OAuth2/OIDC (Keycloak), JWT, TLS, and OWASP best practices, with production monitoring and performance troubleshooting using Kibana/Elasticsearch.

Senior Backend Engineer with 11+ years building and modernizing large-scale, secure enterprise applications across IT security, healthcare, banking, and automotive domains — including legacy-to-modern stack migrations.

CI/CD pipeline ownership using Jenkins and GitLab CI/CD with Git/GitHub-based branching, PRs, and code review workflows; strong testing discipline with JUnit and Mockito, and API validation via Postman.

## TECHNICAL SKILLS

**Frameworks:** Spring Boot (3.x, 3.5+), Spring MVC, Spring Security, Spring Data JPA/Hibernate, Microservices, RESTful Web Services, Angular (9, 14, 18+), RxJS, Node.js, Swagger/OpenAPI

**Cloud & DevOps:** Docker, Docker Compose, Kubernetes, OpenShift, Jenkins, GitLab CI/CD, Maven, NPM, Git, GitHub (branching, PRs, code review workflows); cloud-native patterns transferable to AWS

**Databases:** Oracle SQL, MySQL, PostgreSQL-adjacent SQL/JPA stack, MongoDB, Elasticsearch — schema design, indexing & query optimization

**Security & Auth:** OAuth2, OIDC, Keycloak, JWT, TLS, OWASP best practices

**Languages:** Java (8, 11, 17, 21), JavaScript (ES6+), TypeScript, SQL, HTML5, CSS3

**Quality & CI/CD:** SonarQube-aligned clean-code practices, JUnit, Mockito, Postman, unit/integration/functional testing integrated into CI/CD reporting

**AI-Assisted Dev:** GitHub Copilot (daily use); experienced adopting new in-IDE AI coding assistants (e.g., CursorAI) rapidly

**Delivery & Tools:** JIRA, Confluence, Agile/Scrum, Kibana, cross-functional collaboration with Product Owners and EU/US stakeholders

## RELEVANT EXPERIENCE — PROJECTS

### METIS – Asset Information Management Platform | Apr 2022 – Present

Enterprise asset information management platform for IT security, providing transparency and visibility of assets across network segments with compliance and monitoring aligned to IT security standards.

- Developed and maintained Spring Boot microservices exposing secure, high-throughput REST APIs, applying OWASP security best practices and clean code principles.
- Designed and maintained MongoDB data models, optimizing queries, indexes, and aggregation pipelines for reliable data integration across microservices — directly applicable schema/indexing discipline for PostgreSQL work.
- Implemented OAuth2/OIDC (Keycloak) authentication and authorization across distributed services.
- Containerized services with Docker and managed build pipelines (Maven, NPM, Jenkins) in a GitLab-based CI/CD environment across dev/staging/production.
- Collaborated with the lead architect and Agile scrum team via Jira and Confluence, owning end-to-end delivery of multiple microservices and leading code reviews.

**Technologies:** Java 17, Spring Boot 3.x, Spring Security, Microservices, Angular 14+, TypeScript, MongoDB, Elasticsearch, Docker, Kubernetes, Jenkins, GitLab CI/CD, Keycloak (OAuth2/OIDC), Swagger/OpenAPI, JUnit, Mockito

### Banking Applications Suite | Jun 2019 – Feb 2021

End-to-end development of enterprise banking applications on microservice architecture with secure handling of financial data.

- Integrated relational (Oracle, MySQL) and NoSQL (MongoDB) stores for scalable data access; built secure REST APIs and Angular front-end modules under TLS/security principles.
- Performed maintenance, bug-fixing, and performance tuning across multiple banking modules in an Agile environment.

**Technologies:** Java, Spring Boot, Microservices, Angular, Oracle, MySQL, MongoDB, RESTful APIs, TLS

### PSSP – Alberta Healthcare Service Application | Feb 2021 – Apr 2022

Unified healthcare service platform for the Government of Alberta (Canada), bringing providers onto a single platform with secure data sharing.

- Developed Java-based microservices and Angular frontends; designed RESTful APIs with Spring Boot and integrated Oracle SQL for secure handling of sensitive healthcare data.
- Used Elasticsearch for efficient indexing/retrieval, improving search performance across large patient datasets.
- Deployed and managed services on OpenShift, collaborating directly with client architects and QA in an Agile delivery model.

**Technologies:** Java, Spring Boot, Microservices, Angular, Oracle SQL, Elasticsearch, OpenShift, RESTful APIs

#### **Automotive Industry Web Applications | Dec 2017 – May 2019**

Built end-to-end web applications from Angular UI to Java/Spring Boot backend services; developed RESTful services integrated with SQL databases.

- Resolved critical production issues and contributed to ongoing maintenance across multiple client projects.

**Technologies:** Java, Spring Boot, Angular, SQL, RESTful Web Services

#### **Enterprise System Integration Projects | May 2015 – Nov 2017**

Participated in system integration projects using Java and web technologies; contributed to quality improvements across enterprise deliverables.

- Collaborated within Agile teams, supporting code reviews, deployments, and continuous improvement.

**Technologies:** Java, Web Technologies, SQL

### **EDUCATION & AVAILABILITY**

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#### **B.Tech, Computer Science & Engineering — Uttar Pradesh Technical University, 2014**

Actively relocating (UK / EU / UAE / Australia) on employer-sponsored visa — relocation is the preferred option; fully remote from India with EU/US overlap is the second. Immediate joiner (0 days notice).