

DEEPAK JAISWAR

Java Full Stack Developer

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PROFESSIONAL SUMMARY

Java Full Stack Developer with 5+ years of experience building and supporting enterprise applications using Java, Spring Boot, REST APIs, microservices, React, SQL, and Spring Security. Experienced in secure API development, relational data access, testing, CI/CD, production support, and cloud-native application delivery with AWS, Docker, Kubernetes, and GCP.

TECHNICAL SKILLS

Languages: Java, SQL, JavaScript

Backend: Spring Boot, Spring MVC, Spring Security, Spring Data JPA, Hibernate, REST APIs, Microservices, JWT

Frontend: React.js, Redux Toolkit, Angular, HTML5, CSS3, Tailwind CSS, Thymeleaf

Data & Messaging: PostgreSQL, Oracle, MySQL, Redis, Apache Kafka

Cloud & DevOps: AWS (RDS, EC2, S3), GCP (GKE), Docker, Kubernetes, NGINX, GitHub Actions, CI/CD

Testing & Tools: JUnit 5, Mockito, Git, GitHub, Maven, Swagger/OpenAPI, Postman, IntelliJ IDEA, Agile/Scrum

PROFESSIONAL EXPERIENCE

University of Illinois Springfield | Student Staff - Digital Accessibility Remediation Team Jun 2025 - May 2026

Springfield, IL

- Conducted manual accessibility testing of university websites and web applications to identify and remediate issues in accordance with WCAG 2.1 and Section 508 standards.
- Remediated PDF, Microsoft Word, and PowerPoint content for screen-reader compatibility and accessible document structure and created captions for instructional videos.
- Collaborated with faculty and university staff to resolve accessibility issues and apply accessibility best practices across digital content and web platforms.

Tech Mahindra | Software Developer

Oct 2023 - Aug 2024

Mumbai, India

- Built Java and Spring Boot backend modules and REST APIs for the Axis Bank Supply Chain Finance Management (SCFM) platform, supporting supplier onboarding and enterprise finance workflows with PostgreSQL and Oracle.
- Implemented Spring Security, JWT authentication, and role-based authorization so users could access application workflows according to assigned permissions.
- Supported React-based workflows through REST API integration and optimized SQL queries and service-layer logic to improve API responsiveness.
- Containerized Spring Boot services with Docker and worked with Amazon RDS, CI/CD pipelines, deployment validation, troubleshooting, and production release activities.
- Collaborated with product, QA, and engineering teams in Agile ceremonies, code reviews, API testing, debugging, and production support.

Tikona Infinet Pvt. Ltd. | Java Developer

May 2021 - Sep 2023

Mumbai, India

- Developed Spring Boot backend applications and microservices using Java, PostgreSQL, Spring Data JPA, and Hibernate to support frontend and internal business workflows.
- Designed RESTful APIs for application and service integrations, with validation and persistence handled through layered service and repository components.
- Secured application endpoints with Spring Security and JWT authentication and developed unit and integration tests using JUnit 5 and Mockito.
- Optimized SQL queries, investigated defects through root cause analysis, and supported CI/CD workflows for building, testing, and deploying Spring Boot applications.
- Worked with Agile teams across development, QA, deployment, and release cycles to resolve issues and deliver application updates.

Crystal Tech | Java Developer

Jul 2019 - Apr 2021

Mumbai, India

- Developed enterprise Java/J2EE web applications using Core Java, JSP, Servlets, Struts, Spring MVC, and MySQL for internal business operations and data-driven workflows.
- Built MVC components across controller, service, DAO, and JSP layers and integrated application logic with relational database operations.
- Implemented server-side validation, session management, reusable web components, and SQL-based data access to support reliable application behavior.
- Participated in code reviews, testing, deployments, debugging, application maintenance, and production support with senior developers.

PROJECTS

- PromptForge - AI-Driven Code Generation Platform** | *Java 17, Spring Boot, Spring AI, LLM Integration, Apache Kafka, PostgreSQL, Redis, MinIO, Docker, Kubernetes, GKE, Maven*
- Built a distributed AI SaaS platform using Java 17, Spring Boot, Spring AI, and LLM integration that generates complete React applications from natural-language prompts.
 - Designed a microservice-oriented backend with asynchronous inter-service communication using Apache Kafka producers/consumers and Saga-style workflow coordination.
 - Integrated PostgreSQL for persistent application data, Redis for dynamic preview routing, and MinIO for storing generated project source files and artifacts.
 - Containerized backend services with Docker and deployed them on Kubernetes/GKE, including dynamically provisioned preview runner pods for generated applications.
 - Implemented wildcard preview routing through NGINX Ingress and Redis, enabling project-specific HTTPS subdomains for generated application previews.

- Booking Management System** | *Java, Spring Boot, Spring Security, PostgreSQL, Spring Data JPA, Stripe, OpenAPI*
- Developed a hotel booking platform supporting hotel search, room reservations, inventory, guest management, and secure online payments using Spring Boot and PostgreSQL.
 - Implemented database-level pessimistic locking during reservation workflows to prevent two users from booking the same room for overlapping dates and preserve booking consistency under concurrent requests.
 - Designed a flexible pricing strategy for room rates based on booking conditions, allowing pricing rules to be applied without tightly coupling them to the core reservation workflow.
 - Built REST APIs for hotels, rooms, bookings, inventory, users, and payments using Spring Data JPA and layered architecture.
 - Implemented JWT-based authentication and role-based authorization, integrated Stripe payments and webhooks, and documented APIs with Swagger/OpenAPI.

- AI Text-to-SQL Guardrails** | *Java, Spring Boot, Spring AI, Spring Security, PostgreSQL, JSqlParser*
- Built an AI-powered application using Spring Boot and Spring AI that converts natural-language questions into executable SQL queries.
 - Integrated JSqlParser to parse and validate AI-generated SQL before execution, preventing malformed or unsupported queries from reaching the database.
 - Implemented SQL guardrails that restrict execution to safe single SELECT statements and block write or destructive operations such as INSERT, UPDATE, DELETE, and DROP.
 - Added audit logging and prompt rules to track approved and rejected queries and improve reliability, traceability, and security of generated SQL.

EDUCATION

Master of Science in Computer Science - University of Illinois Springfield, Springfield, IL	May 2026
Bachelor of Engineering in Computer Engineering - University of Mumbai, Mumbai, India	June 2019

CERTIFICATION

AWS Certified Cloud Practitioner (CLF-C02)