

Deepak Kumar

Senior Software Developer

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PROFESSIONAL SUMMARY

Results-driven Senior Developer with **4+ years** of experience designing and delivering scalable, high-performance enterprise systems using Java and Spring Boot. Strong expertise in microservices architecture, secure API development, and database optimization across relational and NoSQL platforms. Proven ability to lead and mentor engineers, drive clean, maintainable code, and deliver business-aligned solutions throughout the full software development lifecycle.

TECHNICAL SKILLS

Languages: Java (8, 11, 17), SQL, JavaScript

Frameworks & Libraries: Spring Boot, Spring Cloud, Spring Security, Spring Data JPA, Hibernate

Frontend Technologies: React JS, HTML, CSS

Architecture & Design: Microservices, Event-Driven Architecture, RESTful APIs, OOP, Design Patterns

Databases: MySQL, PostgreSQL, MongoDB, SAP HANA

Messaging & Integrations: Apache Kafka, RabbitMQ, Stripe (Payments), Box (File Storage), OpenText, Staffology (Payroll)

Cloud & DevOps: AWS (EC2, S3, RDS, Cloudfront), Docker, Jenkins, CI/CD, K8s

SAP Technologies: CDS, OData, CQN

Tools: Git (GitHub, GitLab), Maven, Gradle, Postman, Jira, JUnit, Mockito, IntelliJ IDEA, VS Code, DBeaver, IntelliJ Profiler

Additional Skills: Liquibase, Data Structures & Algorithms, Spring AI

PROFESSIONAL EXPERIENCE

AsInt, Inc 🌐, Senior Developer

Aug 2024 – present | Remote

- Led development of an enterprise Asset Integrity Suite (AIS) in the Oil & Gas domain, delivering accurate and scalable asset integrity workflows integrated with SAP technologies.
- Architected core modules integrating **SAP S/4HANA and SAP HANA**, supporting **1000+ daily asset transactions**.
- Designed and developed **RESTful APIs**, optimized using design patterns for scalability and maintainability.
- Engineered asset integrity calculations (TMIN, MAWP, corrosion rate), improving computational accuracy by **~40%**.
- Optimized **SAP HANA SQL views and CDS models**, reducing query latency by **25–30%**.
- Implemented a distributed scheduler lock mechanism to prevent duplicate job execution in concurrent environments.
- Identified and resolved memory leaks using **IntelliJ Profiler**, reducing memory usage by **~45%**.
- Refactored modules using **Factory and Strategy patterns**, lowering maintenance effort by **~50%**.
- Integrated **OpenText** for secure engineering document handling within asset workflows.
- Mentored interns and contributed to internal training programs, maintaining **95% sprint delivery consistency**.
- Improved code quality by enforcing clean coding standards and modular design practices.
- Contributed to project restructuring by reorganizing modules into a design-pattern-driven architecture for better maintainability.

Coditas Solutions LLP 🌐, Software Engineer

Oct 2023 – Jul 2024 | Pune - MH, India

- Designed and delivered **secure, scalable solutions** across multiple enterprise products.
- Built modular components using Java OOP, Streams, Lambdas, and Collections.
- Developed microservices using **Spring Boot and Spring Cloud**, improving scalability and fault tolerance.
- Reduced system downtime by **~40%** through performance tuning and optimization.
- Implemented secure authentication and authorization using **JWT and Spring Security**.
- Designed and optimized database schemas and queries in **MySQL and PostgreSQL**, improving database performance by **~60%**.
- Implemented API Gateway routing using **Spring Cloud Gateway**.
- Improved API performance through caching, pagination, and indexing.
- Integrated third-party services including **Stripe** and **Box**.
- Supported production releases, debugging, and hotfixes to ensure stable deployments.

Coditas Solutions LLP 🌐, Associate Software Engineer

Jan 2022 – Sep 2023 | Pune - MH, India

- Participated in agile development processes including sprint planning, daily stand-ups, reviews, and retrospectives.
- Designed and developed **RESTful APIs** to integrate with external systems and services.
- Implemented **authentication and authorization** using Spring Security.
- Collaborated with the team to analyze requirements, design solutions, and deliver business-aligned features.
- Developed clean, efficient, and scalable code using best practices and design patterns, resulting in a **60% reduction in application load time**.
- Worked closely with cross-functional teams (frontend, UI/UX, QA) to deliver high-quality software.
- Designed and maintained database schemas and optimized SQL queries using **MySQL and PostgreSQL**.
- Integrated third-party services such as **Stripe** and **Box** to extend application functionality.
- Implemented API gateway routing and security using **Spring Cloud Gateway**.
- Supported CI/CD pipelines and deployments in collaboration with DevOps teams.
- Maintained focus on **scalability, performance, and security** while developing microservices.

PROJECTS

Enterprise Asset Management Platform, Domain - Oil & Gas

Tech: Java, Spring Boot, Spring Security, SAP HANA, CDS, OData, OpenText, SAP BTP Cockpit, CAP, Rest API
It is an enterprise-grade platform designed for the Oil & Gas industry to manage asset reliability and integrity. It integrates SAP APM capabilities and supports:

- Platform to manage operational data, workflows, and records across large systems
- Supports planning, tracking, and execution of routine operational activities
- Provides configurable business workflows and rule-based processing
- Processes and stores high-volume structured data with reporting support
- Integrates with external enterprise systems for data exchange and consistency

Workforce & Payroll Management System, Domain - Hospitality

Tech: Java, Spring Boot, MySQL, Spring Security, JWT, AWS(S3, Cloudfront, RDS), Rest API, GraphQL, Staffology
A workforce and operations management platform for hospitality businesses, enabling:

- Shift scheduling, multi-branch coordination, and real-time attendance validation
- Automated payroll and invoice generation
- Check-In/Check-Out workflows with staff tracking
- Improved workforce visibility and reduced manual operational errors

Secure Healthcare SaaS Platform, Domain - Healthcare

Tech: Java, Spring Boot, PostgreSQL, Box API, Stripe, Microservices, RabbitMQ, AWS (EC2/S3/Cloudfront)
A SaaS-based medical imaging and file management platform enabling:

- File monetisation through paid downloads and configurable pricing
- Centralised storage and file management for 3D scans, reports, and patient records
- Doctor shift availability and patient management workflows
- Role-based access for organisations, individuals, and scanning labs
- Subscription-based access for platform usage and storage plans
- Admin controls for pricing, offers, subscription management, and organisation configuration

Learning & Development Platform, Domain - HR & Training

Tech: Java, Spring Boot, MongoDB, Rest API, Hibernate, Spring Data Mongo
A platform to streamline learning & development workflows, providing:

- Intern lifecycle management
- Daily performance tracking and mentor mapping
- Batch-level training organisation and reporting

Interview Scheduling & Coordination Platform, HR & Recruitment

Tech: Java, Spring Boot, MySQL, Spring Cloud, Liquibase, Rest API, Google Services
An interview scheduling and coordination system improving recruitment operations by enabling:

- Employee-driven slot booking for candidates
- TA dashboards for tracking interviews
- Candidate evaluation and feedback workflows

EDUCATION

B.Tech in Computer Science and Engineering <i>IES Institute of Technology And Management (RGPV)</i>	Aug 2018 – Jul 2022 Bhopal - MP, India
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AWARDS

Academic Best Performer , <i>IES University, Bhopal - MP</i>	May 2022
Star Achiever , <i>IES University, Bhopal - MP</i>	Feb 2020
Star Achiever , <i>IES University, Bhopal - MP</i>	Feb 2019

LANGUAGES

English | Hindi | Bhojpuri

DECLARATION

I hereby declare that all the information provided in this resume is true and accurate to the best of my knowledge and belief.

Deepak Kumar