

SANSKARPATIDAR

JAVA DEVELOPER

(+91) 7000798418 | sanskarpatidar00@gmail.com | [GitHub](#) | [LinkedIn](#) | [LeetCode](#)

SUMMARY

Cloud-native Java developer with a strong foundation in building efficient, reliable backend systems using Spring Boot, RESTful APIs, and containerization (Docker). Skilled at designing modular microservices, implementing CI/CD pipelines (GitHub Actions), and deploying applications to cloud platforms (AWS) for scalable, high-performance solutions. Proficient in version control (Git), database design (SQL/NoSQL), and writing clean, maintainable code with testing frameworks (JUnit) within Agile development processes.

SKILLS

- **Programming Languages:** Java, Kotlin
- **Backend Technologies:** Spring Boot, REST APIs, Spring Cloud, Microservices, Redis, Kafka, JUnit, Mockito
- **Artificial Intelligence:** Spring AI, LangChain4j, RAG pipeline
- **Frontend Framework/Libraries:** Kotlin Multiplatform, Coroutines, Flows, Room
- **Database:** MySQL, MongoDB, Spring Data JPA, Hibernate, Transaction Management
- **Build and DevOps:** Maven, Gradle, Git, GitHub, Docker, CI/CD, GitHub Actions
- **Tools:** IntelliJ IDEA, Android Studio, SonarCloud, Apache JMeter

ACADEMIC PROJECTS

NagrikVani: Crowdsourced Civic Issue Reporting and Resolution System ([GitHub](#))

Sep 2025-Oct 2025

- Architected a highly performant distributed system by deploying 9+ independent Spring Boot microservices, demonstrating a peak capacity of 165 requests per second (10,000+ RPM) during localized stress testing using Apache JMeter.
- calls to a non-blocking, event-driven model using Kafka. Designed a broker-agnostic architecture enabling migration to RabbitMQ with only configuration-level changes.
- Decreased Docker image sizes by over 60% and accelerated incremental build times by over 80% by modeling a reusable, 4-stage build process with Spring Boot layering build tool and optimized caching.

CodeLibrary: Collaborative Code Snippet Management System ([GitHub](#))

Dec 2024-Mar 2025

- Developed a full-stack system in Kotlin with a scalable Spring Boot backend exposing secure RESTful APIs, and implemented robust user authentication and role-based access control using Spring Security.
- Constructed a Kotlin Multiplatform (KMP) client application, achieving 70% cross-platform code reuse and significantly improving development efficiency and consistency.

EXPERIENCE

Backend Engineer (SIH Project)

Sep 2025-Oct 2025

- Developed and deployed 9+ Spring Boot microservices using Java, Spring Cloud, and REST APIs, ensuring scalable backend communication.
- Implemented CI/CD pipelines using GitHub Actions, automating build, test, and deployment to cut release time by 90% (from 25 min to under 3 min).
- Created and published a reusable Java Client Library as a GitHub Package, eliminating over 1500 lines of duplicate code across 7 microservices.
- Configured an observability stack using Prometheus, Grafana, and Zipkin for monitoring, metrics visualization, and distributed tracing.
- Collaborated in a six-member full-stack team, providing technical leadership and ensuring timely delivery through Agile sprints.

ACHIEVEMENTS

- 1800+ LeetCode Contest Rating (900+ problems solved); demonstrated consistent dedication by completing 40+ contests and maintaining a daily streak of over 200 days.
- Contributed 40+ solutions in Java and Kotlin, showing active commitment to the LeetCode community.

EDUCATION

- Bachelor of Technology (B.Tech.) in Computer Science Engineering | Indian Institute of Information Technology, Bhopal, CGPA 8.35 | (2023-2027)
- Relevant Coursework: Data Structures and Algorithms, Object-Oriented Programming, RDBMS, Operating System