

Karan Raj Sinha

Java Full Stack Developer

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📍 Guadalajara City, Mexico



SUMMARY

- Agile Software Engineer with 8+ years of experience in software application development.
- Core Skills: Proficient in Java 8,17, OOP concepts, Multithreading, Collections, Exception Handling, JavaScript, and jQuery.
- Frameworks and Technologies: Strong working knowledge of Spring Boot, Microservices, Spring Data JPA, Spring MVC, Hibernate, Core Java, J2EE, JDBC, Mockito, JUnit, HTML, CSS3, and Log4j, PostgreSQL database, MySQL, React.
- Cloud Expertise: Experience with AWS services including EC2, Lambda, S3, IAM, CodeCommit, CodeBuild, CodePipeline, and API Gateway.
- Web Development: Developed responsive web applications using HTML5, CSS3, JavaScript, and jQuery; basic knowledge of React.js and debugging tools.
- Version Control & Deployment: Proficient in GIT, experience with cloud-based Microservices deployment using PCF.
- Build Tools: Familiar with Gradle and Maven.
- Security: Hands-on in Spring Security.
- Web Services: Experienced in enterprise application development with SOAP (JAX-WS) and REST (JAX-RS).
- XML Technologies: Skilled in XML parsing and binding (JAX-P, SAX, DOM, JAX-B).
- Design Patterns: Good understanding of design patterns including Singleton, Prototype, Iterator, and Abstract Factory.
- Soft Skills: Highly motivated self-starter with strong communication, presentation, and problem-solving skills; committed to continuous learning.
- SDLC Methodologies: Strong knowledge of Software Development Life Cycle (SDLC) using Agile/Scrum and Waterfall methodologies.
- Deployment Experience: Experienced in deploying web applications using Tomcat, OpenShift and PCF.

EXPERIENCE

Senior Software Engineer(Team Lead)

Mercedes-Benz Research and Development

📅 08/2021 - 01/2025 📍 Bangalore, India

- Design, developed, coded, and created unit, performance, and functional tests for the applications (spring boot application).
- Create and follow the software Merge Request and all the processes from the MR to the production release.
- Development of consumers, and producers for Kafka. Checking logs using Kibana, and pod log tracking.
- Leading Team from 4 Year.
- Developed the core component of the recovery management module using Spring Boot.
- Created the Unit test as a part of the methodology TDD with JUnit and Mockito.
- Created the Functional test with Postman and Insomnia.
- Created the Performance test with JMeter
- Extensively used Git for version control and regularly pushed the code to GitLab.
- Involved in the build process through GitLab CI/CD pipelines.
- Worked on developing, Testing, Debugging, Integrating, and Deploying applications using IntelliJ Idea.
- Developed REST service documentation using Swagger UI.
- Design and developed the application using Agile Methodology and followed TDD and Scrum.
- Work on the Red Hat OpenShift container for deploying the pods used by the applications.
- Develop page web UI experience with React.
- Work with Redux-Sagas for the asynchronous side effects.
- Create the Mock API Rest with Mirage.js for the Integration test.
- Solve issues reported by business teams by coding new solutions within the applications.
- Help as a mentor to new team members with code and internal processes, both administrative and development.

Software Engineer

CGI

📅 9/2020 - 07/2021 📍 Bengaluru, India

- Worked in AGILE Team to design, build and maintain efficient, reusable, and reliable Java code on Microservices based architecture.
- Written RESTful and service classes using Spring Boot.
- Implemented OAuth2 for authentication and authorization.
- Implemented the circuit breaker design pattern between the Microservices.
- Written the repository class using Spring Data JPA.
- Made use of GIT for checkout and check-in operations along with Jenkins and SonarQube.
- Performed Mockito-JUNIT testing on the application's functionality.
- Communication with client, drive-up meetings and giving confidence on deliverables.
- Driving Daily SCRUM Calls from offshore.
- Written individual Microservice for multiple services.

PROJECTS

★ CIS2 (Certification Information System)

Working as a **Full Stack Developer** in CIS2 project, following the **Scaled Agile methodology**.

Experience in **AWS (3 years)**, **System Design**, **Spring Boot**, **Microservices**, **Kubernetes**.

Designed and developed a **Microservices** architecture for the **CBC application**, transitioning from a **monolithic system**.

Responsible for backend development using **Spring Boot** and frontend development with **React**.

Increased application throughput by **200%** through microservices transformation.

Achievements: ✓ **Bronze Award Winner** for implementing fast-loading bulk data tables. ✓ **Winner of HackUtsav 2022 Hackathon** at MBRDI. ✓ **Best Presenter Award** for effective client demos. ✓ **Successfully resolved onsite user issues**.

★ CACS , CGI

Developed a **banking template** to accommodate customer requirements.

Created and maintained **Spring Boot Microservices** for various offer services.

Experience in **AWS**, **Kubernetes**, and handling **custom exception management**.

Achievements: ✓ **Best Employee Award** for learning and implementing new tech stacks effectively.

★ CITIBANK, TCS

Managed **bug fixes and defect handling** using ServiceNow.

Built a report generation tool using **Angular** and **Java**, improving Reporting efficiency
Developed Credit card module of a citibank, where linking credit Card to bank account and its CRUD operation handling Functionality design.

Responsible for backend development using **Spring Boot** and frontend development with **Angular**.

Achievements: ✓ **On-Spot Award** for improving report generation efficiency.

COURSES

AWS Cloud Practitioner Courses

The AWS Certified Cloud Solution Architect Associate validates a foundational, high-level understanding of AWS Cloud, services, and terminology.

Spring Boot, Microservice

Udemy Course for Spring Boot and Microservice With hibernate.

React Advance Learning

Completed React Advance Learning Udemy Course.

System Engineer

TCS

06/2017 - 10/2020 Kolkata, India

- Communication with client, drive-up meetings and giving confidence on deliverables.
- Driving Daily SCRUM Calls from offshore.
- Written individual Microservice for multiple services.
- Worked in AGILE Team to design, build, and maintain efficient, reusable, and reliable Java code on Microservices based architecture.
- Identify bottlenecks and bugs, and devise solutions for problems.
- Responsible for writing DAO classes using Spring Data JPA.
- Made use of GIT for checkout and check-in operations.
- Performed Mockito-JUNIT testing on the application's functionality.
- Release Maintenance Preparation and Deployment on the PCF Cloud servers.

SKILLS

Java 8, 17	Micro services	Hibernate
Spring Security	Spring Boot	Postgres
Gradle	IntelliJ Idea	Jenkins
Postman	JMeter	JUnit
JWT	Github	Kafka
Kibana	Cloud Open Shift	Node 18
Redux-Sagas	Reactjs	JIRA
DS & Algo	Postgres	

EDUCATION

Master of Computer Applications
IGNOU University

08/2017 - 06/2020 Kolkata, India

LANGUAGES

English	
Proficient	●●●●●
Spanish	
Beginner	●●●●●
Hindi	
Native	●●●●●