

Rakesh Kumar Sharma

Java Developer

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SUMMARY

Java Developer with 4+ years of experience designing scalable microservices and APIs using **Spring Boot** and **NodeJS**, improving system efficiency by 30%. Expertise in deploying robust solutions using **Docker**, **Kubernetes**, and **AWS**, reducing deployment times by 20%. Proficient in **Kafka**, achieving a 20% improvement in message processing speed.

CORE COMPETENCIES

- **Languages:** Java (core, collections, Multithreading, Exception handling, Oops, Stream api), Javascript
- **Frameworks:** Spring (Core, AOP, MVC, Data JPA,), Spring boot, NodeJS
- **Tools:** JUnit 5, Mockito, Jest, PowerMock, Maven, Snyk, Newrelic, K9, Sumologic, slf4j
- **Cloud & DevOps:** GIT, AWS, Docker, Kubernetes, Jenkins, Maven, CI/CD Pipelines
- **Data Technologies:** SQL, MongoDB, MySQL, Vertica, Apache Kafka
- **Architecture:** Microservices, RESTful APIs, Cloud-Native Applications
- **Other Skills:** Agile Development, Scrum, Shell Scripting, Reactjs, Html, CSS,

PROFESSIONAL EXPERIENCE

Associate – Java developer

MassMutual India

Hyderabad Telangana India

10/2021 – Present

- Engineered 10+ scalable **Spring Boot microservices** with advanced authorization, validation, and database integration using Spring Data and JDBC.
- Delivered over 10 secure **Node.js APIs** with OAuth authorization and business rule logic, ensuring high performance and reliability.
- **Migrated** over 12+ legacy services to **AWS**, enhancing application scalability by 30% and reducing downtime significantly.
- Integrated **Apache Kafka** for real-time message processing, achieving a 20% reduction in latency.
- Handled deployments using **Docker**, **Kubernetes**, and **Jenkins**, streamlining the build process for cloud-native applications.
- Strengthened system reliability by reprocessing failed Kafka transactions through the innovative DLQ Reprocess microservice.

Product consultant

Digicides

Remote

09/2020 - 04/2021

- Delivered robust **Spring Boot** APIs, incorporating validation and database connectivity through Spring JDBC to improve functionality.
- Achieved optimal unit test coverage using JUnit 5 and Mockito, reducing bugs by 25%.
- Oversaw thorough requirement **analysis** and **bug** research, identifying root causes and implementing effective fixes.

PROJECTS

Annuity Fund Transfer (Insurance Domain)

- Developed the **Fund-Transfer-API** using Node.js, enabling users to transfer a percentage of their annuity fund value to other funds.
- Implemented OAuth authorization, validation layers, and business rule logic to ensure secure and compliant transactions.
- Initiated robust unit tests using Jest, achieving over 90% code coverage to ensure API reliability.
- Built the **Micro-Fund-Transfer-Consumer** microservice as a Kafka consumer to process messages efficiently and ensure seamless fund transfer operations.
- Created the **Micro-DLQ-Reprocess** microservice, an innovative solution to fetch failed Kafka transactions and reprocess them on a scheduled timeline, improving system reliability and reducing manual interventions.
- Automated the build and deployment process by containerizing applications with Docker and deploying them to AWS using Kubernetes pipelines managed through Jenkins, ensuring scalability and operational efficiency.
- Collaborated across teams to ensure end-to-end integration, accurate fund management, and adherence to regulatory requirements.

DLQ Reprocess (Innovative solution)

- Designed and Developed a Spring Boot microservice to reprocess all failed Kafka messages, ensuring message reliability and preventing loss.
- Integrated with other services and added scheduling for automation, achieving 90%-unit test coverage with JUnit 5 and Mockito.
- Implemented email notifications for affected parties and **S3** integration for storing failed messages securely.

API Inventory (Innovative solution)

- Created a **shell script** to automate the listing of APIs and microservices, exporting results to Excel and uploading to SharePoint.
- Integrated with Jenkins for single-click execution and used **Vault** to secure sensitive credentials.
- Embedded Python scripting to enhance functionality and ensure secure API management.

AWARDS

- **GEMS**: Recognized for outstanding contributions to project delivery.
- **PAT ON BACK**: Awarded twice for exceptional teamwork and innovative problem-solving.

CERTIFICATIONS

AWS Certified Cloud Practitioner

EDUCATION

Bachelor of Computer Applications
Sambalpur University

01/2016 - 05/2019