

SAURABH

Senior Software Engineer



D-79541 Lörrach, Germany

German Work Permit: D Permit

SUMMARY

- Senior Software Developer with 7+ years of experience in insurance industry. Developed and deployed Financial Data Storage applications to production within Agile development environment. Proficient in Java, Spring, Hibernate, JUnit, CI/CD etc. Energized by outdoor activities such as hiking, running and calisthenics, books on stoicism and a good cup of Puerh tea.

SKILLS

- Languages:** Java (Versions: 8/11/21), TypeScript
- Technologies:** Angular, Spring, Spring Boot, Hibernate, Spring Security, RESTful services, HTML, CSS, REST, JUnit, Mockito, Maven, Kubernetes, Docker, IBM WAS, Tomcat, Apache Kafka, Bamboo, Jenkins, Azure DevOps, Oracle, PostgreSQL, Eclipse, IntelliJ, Git
- Concepts:** Continuous integration/deployment (CI/CD), Object Oriented Programming, Design Patterns, SOLID Principles, Test-driven development (TDD), Clean Code, Agile methodology

WORK EXPERIENCE

Tech Mahindra LTD

Zurich, Switzerland

Sr. Software Engineer

September 2022 – June 2024

- Developed and maintained Financial Data Storage (FDS) interfaces consisting of 10 modules using IBM Java Batch, Spring and Hibernate for data integration, transformation, and validation, which resulted in processing over a million of data rows daily.
- Led the development of several Java batch interfaces from identifying the system requirements and dependencies to software implementation, testing and release cycle management.
- Implemented multiple Spring Boot microservices critical for migrating data from legacy DB2 platform to SAP FPSL, supporting compliance with IFRS 17 accounting and reporting standard. Utilized technologies such as Java, Spring Boot, Kubernetes, Apache Kafka and PostgreSQL.
- Improved the performance of existing Kafka based microservices by 30% by introducing the caching mechanism using Caffeine Cache.
- Leveraged Test Driven Development approach to write 2000+ unit and integration tests using JUnit and Mockito, enhancing code reliability and achieving significant reduction in bug rates.
- Created high-performance and cost-effective SQL queries in DB2 leading to a 20% reduction in mainframe CPU usage and substantially lowered operational costs by reducing system load.
- Managed the release planning and deployment of 10 microservices on Kubernetes clusters, streamlining deployment processes.
- Proficiently managed the deployment of Java Batch application on WebSphere Application Server and achieved a 99% success rate on initial deployments.
- Enhanced legacy code quality leveraging clean code practices, conducting through code reviews and utilizing code analysis tools like SonarQube and SonarLint to identify and resolve the issue.
- Provided essential L3 production support to ensure the smooth operation, high availability, and better performance of the application during the critical closings.
- Facilitated knowledge transfer sessions and provided mentorship to junior developers.

Tech Mahindra LTD

Hyderabad India/Zurich, Switzerland

Software Engineer

February 2017 – August 2022

- Developed RESTful Web Services, incorporated DB2 database connectivity using JPA/Hibernate.

- Experienced in UI development using technologies like JavaScript, XHTML, CSS, and Prime Faces.
- Enhanced the user interface with new features on continuous feedback from stakeholders, resulting in increased user satisfaction.
- Performed continuous version upgrades (Spring/Hibernate) to minimize technical debt and keep the Java batch application free from CVEs and vulnerabilities.
- Developed CI/CD pipelines with Bamboo for seamless integration and deployment of code across various environments.
- Migrated all the CI/CD pipelines and repos from Atlassian Bamboo to Azure DevOps as a cloud transformation initiative.
- Enhanced code quality by conducting thorough reviews and utilizing code analysis tools like SonarQube to identify and resolve issues.

LANGUAGES

- English | Native
- German | Pursuing

EDUCATION

- Bachelor of Technology in Electronics & Communication Engineering
United College of Engineering & Research (U.C.E.R) 2012 – 2016
Uttar Pradesh, India

CERTIFICATION

- Azure Fundamental Certified: AZ-900

ACHIEVEMENTS

- Award issued by Tech Mahindra in 2018, 2019 and 2022 for valuable contribution integrating Java Batch deployment in Bamboo and reducing the tech debt by upgrading the Spring and Hibernate version to the latest.