

Saadat Ali

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Senior Software Engineer | Java | Spring Boot | React | SQL Server

Summary

- Result-driven professional with around 9 years of experience in core Java/J2EE web application technology stack (Core Java, Spring core, Spring MVC, Hibernate, REST, JSON, XML)
- Experience in Spring Modules: Spring Data JPA, Spring MVC, Spring JDBC, Spring Boot, Spring IOC, Spring AOP, Spring Transaction, Spring Security.
- Expertise in developing MVC architecture for web-based applications using Spring MVC framework and Servlets, JSP, JDBC, and Web Services (SOAP & REST).
- Strong Experience in Core Java, Multi-threading, Collections, Spring 3. x, Struts 2. x.
- Expertise in Design Patterns like Factory, Singleton, DAO, Transfer Objects, Business Delegate, Proxy, and MVC (Model-View-Controller) in the development of Multi-Tier Enterprise Applications.
- Proficient in different data sources ranging from flat files SQL Server, Apache spark, Oracle 11g/ PL/SQL Packages, Procedures, Functions, Triggers, and other objects, and Apache Kafka
- Developed Microservices using Spring Boot and deployed Microservices into the AWS cloud using Jenkins.
- Experienced in Middleware persistence frameworks like Hibernate/JPA Entities for mapping Java classes using Hibernate Query Language (HQL).
- Working experience in JMS enterprise messaging systems (EMS) with ActiveMQ, IBM MQ, and Apache Camel Integration Framework.
- Proficient in integrating React JS with back-end technologies such as Node.js, Express.js, and MongoDB to build full-stack applications.
- Skilled in using Redux or MobX for state management in React applications.
- Experienced in implementing client-side routing and navigation using React Router for seamless user experience.
- Strong experience with Java features like Lambda expressions and Stream API for Bulk data operations, Parallel operations on Collections which would increase the performance of the Application.

Education

B.S. Computer Science. NUST Pakistan (2014)

Technical Expertise

Languages	Java, J2EE, Spring Boot, C#, Python
Web Technologies	Spring Boot, React, Angular, VueJS
Database	SQL Server, Oracle, Postgres SQL
Messaging	RabbitMQ, Apache Kafka

Professional Experience

Senior Java Developer

TRC Companies – *Midland TX*

March 2021 – Present

- Designed, developed, and maintained various applications and microservices using Java 11 and 17, Spring, Spring Boot, NoSQL, and SQL and AWS.
- Utilized Kafka as a distributed streaming platform to build real-time data pipelines and implement publish-subscribe messaging patterns for seamless data integration and processing.
- Developed REST web services using Spring REST and created unit and integration tests for the services using Junit and Mockito.

- Used JPA, object/relational-mapping (ORM) solution, the technique of mapping data representation from MVC model to Oracle Relational data model with SQL-based schema.
- Containerized applications using Docker and deployed on Kubernetes clusters.
- Worked on Multithreading and optimized performance of applications.
- Implement Continuous Integration and Continuous Delivery (CI/CD) pipelines using Jenkins, Maven, and Git.
- Worked with AWS CLI and AWS API to manage resources on AWS.
- Worked to secure our RESTful web services using OAuth 2.0 with spring security to authenticate any third-party requests coming in.
- Designed and implemented dynamic and interactive user interfaces for web applications using React, leveraging its component-based architecture and virtual DOM to enhance the user experience.
- Implemented JWT (JSON Web Token) authorization for microservices, ensuring secure authentication and authorization mechanisms within the application.
- Used Jenkins as build management tool for continuous integration process.
- Implemented Spring AOP module to implement the crosscutting concerns like logging, security, Declarative Transaction Management.
- Applied advanced Core Java concepts and language features to write clean, efficient, and maintainable code as part of the project implementation.

Software Engineer

EPAM Systems, *New York NY*

November 2017 – March 2021

- Designed and developed application components using Spring Boot, Spring Dependency Injection (Core), Spring AOP and Spring Annotations.
- Worked on Microservice/Restful APIs using Spring Boot
- Developed Rest APIs in Spring boot utilizing Swagger.
- Developed an AWS lambda function to send a request for internal service endpoints through API Gateway using Apache Http Client.
- Performed Code reviews (peer review), Unit testing, providing support to testing team, Defect fixing, Root causes, Analysis, and release / deployment support during SDLC lifecycle.
- Implemented J2EE standard MVC architecture using Spring Framework.
- Familiar in development of services-based architecture utilizing technologies like Hibernate ORM with JPA Annotations and Spring MVC Framework.
- Used RabbitMQ to provide a single unifying transport that reduces cost and maintenance efforts, including support for HTTP, REST and JMS.
- Implemented Rest API to use OAuth with JWT (JSON Web Tokens) to secure the API Service Layer
- Used annotations from Spring, along with JPA and Spring Data JPA dependencies to connect with databases.
- Designed and developed REST APIs using Spring Boot to communicate with frontend.
- Used Spring, Hibernate module as an Object Relational mapping tool for back-end operations.
- Used Maven building tool for creating EAR file to be deployed in application servers. It is used for dependency management of code in application.
- Developed scalable, high-performance applications using JavaScript and frameworks like React and Angular, ensuring responsiveness and dynamic functionality.
- Utilized React hooks extensively, replacing class components with functional components to improve code readability and maintainability.
- Experienced in TypeScript with strong typing, interfaces, and generics, enhancing code maintainability and reducing runtime errors in large JavaScript codebases.
- Used various tools used in development– STS/IntelliJ, Postman, Bitbucket, Git, JIRA etc.
- Worked in Bitbucket for version control and JUnit 5 for writing test cases.

Environment: Java 8, Web Services, Spring Boot, Hibernate, Apache Tomcat, SQL Server, JUnit, Jenkins, Bitbucket, Log4j

Software Engineer

Barnes & Noble, *New York NY*

March 2015 – October 2017

- Involved in enhancements according to user-based requirements. Also, was involved in task completion, iterations and extreme programming using agile methodology.
- Designing, coding, and testing web applications using Java 8, Spring Boot, SQL Server, and Java Persistence API.
- Designed and developed Microservices based business components and RESTful service endpoints using Spring boot.
- Implemented MVC design pattern using Spring Framework
- Used DAO pattern to handle the interaction with SQL Server and hibernate as ORM to map Java classes to data base tables.
- Used Spring Framework for Authentication and Authorization and ORM components to support the Hibernate tool.
- Involved in the integration of the Front-End web interface with the Spring MVC, Angular, HTML5, CSS3 and jQuery.
- Involved in coding using Java 8, Spring 5.0 to develop features from end to end, used Java collection API's.
- Designed and developed Microservices business components and RESTful service endpoints using Spring boot.
- Used Rabbit MQ to send messages across applications for data processing.
- Used Jenkins as Continuous Integration tool to deploy Spring Boot Microservices to Pivotal Cloud Foundry (PCF) using build pack.
- Developed RESTful API's, which takes in an HTTP request and produces the HTTP response in JSON Format using micro services.
- Used the Maven build life cycle to build the application and deployed into JBOSS application server.
- Created Stored procedures using SQL for data modification (Using DML insert, update, delete) in SQL Server.
- Used GIT for version control tool and Spring Tool Suite (STS) for IDE.
- Actively participated and provided feedback in a constructive and insightful manner during weekly Iterative review meetings to track the progress for each iterative cycle and figure out the issues.
- Creating and executing unit, integration testing using Mockito, Junit framework.

Environment: Java 8, Spring Boot, Microservices, JUnit, Karma