

Rohan Shrestha
Java Developer
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PROFESSIONAL SUMMARY

- Highly skilled Java developer with extensive experience in designing and implementing efficient, scalable, and reliable software solutions.
- Proficient in a wide range of technologies and frameworks, including Spring Boot, Hibernate, and AWS, with a strong foundation in Core Java concepts.
- Adept at leveraging modern web technologies like Angular and JavaScript to create responsive and user-friendly front-end interfaces.
- Experienced in Agile methodologies and DevOps practices, ensuring the delivery of high-quality software through automation and collaboration.
- Proven track record of successfully developing and deploying Microservices on AWS Cloud, enhancing system scalability and performance.
- Strong problem-solving and analytical skills, with a focus on delivering innovative solutions that meet project objectives.
- Exceptional teamwork and communication abilities, fostering effective collaboration with cross-functional teams.
- To continue my career as a Java developer by joining a dynamic and forward-thinking organization that values innovation and excellence in software development.
- Aspire to contribute my expertise in Java, Spring, and related technologies to create cutting-edge software solutions that address real-world challenges and drive business growth.
- Seeking opportunities to work on challenging projects that allow me to expand my skill set and stay at the forefront of technology trends.
- Aim to leverage my experience in Agile methodologies and DevOps practices to streamline software development processes and deliver high-quality software efficiently.
- Interested in collaborating with a talented team of professionals who share a passion for creating exceptional software products.
- Committed to continuous learning and professional growth, with a goal of becoming a recognized expert in Java development.
- Ultimately, my objective is to contribute to the success of the organization by delivering innovative, reliable, and scalable software solutions that exceed customer expectations.

CORE COMPETENCIES

Java Development	Hibernate	Big Data Technologies
Spring Framework	Web Servers	Message Queue Systems
Web Technologies	Authentication and Authorization	DevOps
Database Management	Testing Tools	Front-End Development
Microservices	Version Control	AWS Service
Batch Processing	Middleware Integration	Log and Debugging

TECHNICAL SKILLS

Programming Languages	Java, JavaScript, HTML, CSS, Python, TypeScript, SQL, PowerShell
Frameworks	Spring Core, Spring DI, Spring JPA, Spring MVC, Spring Boot, Hibernate, Spring Security, Struts, Spring Cloud, HQL, Hibernate, Apache Spark, Hadoop, Kafka, REST APIs, Microservices, JMS, HRM, JPA
Core Java	JavaBeans, OOP Concepts, I/O Collections, Exceptions, Multithreading, Lambda Expressions, Stream APIs
Databases	MySQL, MongoDB, Oracle, PostgreSQL, SQL Server
IDEs & Utilities	Spring Tool Suite, Maven, Eclipse, Visual Studio Code, IntelliJ IDEA
Web Servers/Application Servers	Apache Tomcat, Web Logic 10
Authentication & Authorization	OAuth2, JWT
Testing Tools	Mockito, Junit, Postman, Selenium, Apache JMeter
Version Control	GIT, GitHub, SVN, GitLab, Docker, Kubernetes
Web Technologies	Bootstrap, HTML, jQuery, CSS, JSON, XML, RESTful APIs
Build Tools	Maven, Ant

PROFESSIONAL EXPERIENCE

Citigroup, New York, NY
Java Developer
Responsibilities

Jun2022-Present

- Spearheaded the development of a Reporting Dashboard, leveraging Spring MVC, Spring Boot, Spring Framework, and Hibernate to enhance system efficiency and improve the user interface.
- Played a pivotal role in the Microservices team, overseeing the deployment of Maven projects on Tomcat, ensuring seamless service operations.
- Designed and implemented efficient Restful endpoints to enable seamless communication across application components.
- Utilized Apache to create a high-speed, low-latency platform for real-time data feeds, significantly reducing data processing times.
- Developed web applications and integration projects using Core Java, J2EE, Struts, JSP, JDBC, Spring Framework, Hibernate, and other technologies.
- Deployed and managed various web and application servers, including Apache Tomcat and IBM WebSphere.
- Implemented key design patterns like MVC, DAO, Factory, Singleton, and Business Delegate for multi-tier distributed applications.
- Created web services using SOAP and WSDL, working with servers like IBM WebSphere and Tomcat.
- Designed and developed enterprise applications using J2EE technologies such as Servlets, JSP, JDBC, JNDI, EJB, JMS, XML, and Web Services.
- Utilized Spring Framework for model-view layer architecture and Dependency Injection.
- Employed Hibernate ORM tools to automate the mapping between SQL databases and Java objects.
- Developed and maintained scalable data processing pipelines using Apache Hadoop ecosystem technologies, including MapReduce, Hive, Pig, HBase, and Spark.
- Built robust ETL pipelines with Hive for batch processing and data transformation to meet business requirements.
- Configured and deployed Amazon Web Services (AWS) resources, focusing on high availability, fault tolerance, and auto-scaling.
- Leveraged Spark's in-memory data processing for advanced analytics, machine learning, and real-time stream processing, enabling faster insights.
- Demonstrated proficiency in developing REST-based web services using the JAX-RS library and customized Spring Restful API for JSON data transmission.
- Established a comprehensive CI/CD pipeline using Jenkins, ensuring end-to-end automation for all builds and deployments.
- Technical expertise in Java, Spring, Spring Boot, Web Services, Oracle, Hibernate, SQL, MVC, JSON, JAXB, Unix, Linux, Log4J, STS, Mockito, Apache Tomcat, Maven, Jenkins, GitHub, JIRA, and AWS Services.
- Contributed to the development of high-performance, low-latency systems, and data processing solutions.
- Collaborated effectively with cross-functional teams to deliver innovative solutions and meet project objectives.

Environment: Java, Spring, Spring Boot, Spring Framework, Hibernate, Maven, Tomcat, Restful endpoints, Apache, Core Java, J2EE, Struts, JSP, JDBC, SOAP, WSDL, Servlets, JNDI, EJB, JMS, XML, Web Services, Dependency Injection, Hadoop, Spark, CI/CD pipeline, AWS services.

Mastercard, Purchase, NY
Java Developer
Responsibilities

Sep2020-May2022

- Integral part of Microservices team, deploying Maven projects on Tomcat for seamless service operations.
- Designed Restful endpoints for efficient communication across application components.
- Utilized Apache for real-time data feeds, improving data processing speed.
- Proficient in GIT for version control and collaborative development.
- Developed Behavior Data-Driven (BDD) automation framework with Java, Cucumber, and Selenium WebDriver for error detection and resolution.
- Crafted AngularJs frontend integrated with Elasticsearch on AWS using Docker containers for high-performance cloud solutions.
- Wrote Java code for Elasticsearch mappings, optimizing data retrieval.
- Created Core Service as a Maven jar for Microservices integration, promoting code reuse and uniformity.
- Employed Docker containers for versatile development and deployment.
- Provisioned AWS server instances with Tomcat and Swagger, streamlining deployment for high availability.
- Expertise in Data Engineering with Elasticsearch mapping using Java and HDFS storage in the Spark ecosystem.

- Developed and deployed Microservices on AWS using Spring Boot and Spring Cloud.
- Configured Jenkins for CI/CD pipelines, accelerating development cycles.
- Executed JUNIT Test Cases, validated XML data types, and utilized Log4J for efficient logging.
- Managed HDFS for distributed storage, ensuring fault-tolerance and efficient data retrieval.
- Leveraged Spark for advanced analytics, machine learning, and real-time stream processing.
- Proficient in REST-based web services development using JAX-RS and customized Spring Restful API for JSON data transmission.
- Implemented robust CI/CD pipeline using Jenkins, ensuring automation for builds and deployments.
- Technical skills include Java, Spring, Hibernate, SQL, Git, Cucumber, Selenium WebDriver, AngularJs, Elasticsearch, Docker, AWS, Hadoop, Spark, JUNIT, Log4J, CI/CD pipelines.

Environment: Java, Spring MVC, Spring Boot, Hibernate, Spring Framework, Microservices, Maven, Tomcat, Restful APIs, Apache, GIT, BDD automation, Java, Cucumber, Selenium WebDriver, AngularJs, Elasticsearch, Docker, AWS, Elasticsearch mapping, HDFS, Spark, Jenkins, JUNIT, Log4J, CI/CD pipelines, Git, SQL, Swagger, Data Engineering, Microservices deployment, AWS services, Real-time data processing.

Cigna Group, Bloomfield, CT

May2018-Aug2020

Software Engineer

Responsibilities

- Leveraged the power of Java 1.8 for backend services, incorporating contemporary frameworks like Spring Boot, IOC, AOP, and Spring annotations. Developed user authentication and access control using Spring LDAP and Spring Security.
- Seamlessly integrated Angular 13 into the application for efficient routing, data binding, and real-time data updates, eliminating the need for page refreshes.
- Designed and implemented data ingestion modules for AWS services like S3, Redshift, and Snowflake using AWS Lambda and Step Functions. Additionally, employed Apache Kafka for messaging services, enabling scalable and efficient data processing.
- Utilized Angular Http services to handle asynchronous input validation against the database, enhancing data integrity.
- Embraced Infrastructure as Code (IaC) by crafting automation templates with AWS CloudFormation, ensuring consistency and repeatability in cloud-based deployments.
- Developed comprehensive unit tests for components, services, and pipes using Jasmine and Karma, contributing to a robust testing suite.
- Demonstrated proficiency in Core Java concepts, Generics, Exception handling, and Design patterns, following industry best practices.
- Successfully designed, developed, and deployed Microservices using Spring Boot and Spring Cloud on AWS Cloud, promoting scalability and maintainability.
- Designed efficient batch jobs for XML data processing using Spring Batch and leveraged Spring scheduling for job automation.
- Implemented middleware services and data access layers effectively using Spring and Hibernate, ensuring data consistency and performance.
- Employed Hibernate ORM mappings, including JPA annotations, to efficiently map Java classes to database tables, enhancing data persistence.
- Utilized Hibernate inheritance mapping and configured multi-level caching to optimize data retrieval and application performance.
- Developed RESTful resources using Spring and Jersey, with Apache Camel for messaging routing. Consumed REST services and built RESTful services using Node.js, MongoDB, Express, and Mongoose.
- Proficiently managed JMS Queues for efficient point-to-point messaging, showcasing expertise in message-driven architecture.
- Demonstrated strong SQL skills for data integration, retrieval, and modification, connecting Java applications to SQL databases using JDBC.
- Configured Apache Log4J for logging and debugging, contributing to effective troubleshooting.
- Implemented a modern DevOps pipeline with Jenkins, Docker, and Maven for scripting, building, deploying, and maintaining applications, all managed through GitHub for version control and JIRA for issue tracking.
- Embraced the latest industry trends by employing Spring Boot and Spring Cloud for Microservices development and leveraging AWS S3 for efficient file storage.
- Executed thorough data-driven testing, cross-browser testing, and parallel test execution with Selenium WebDriver, TestNG, and Selenium Grid, ensuring software reliability.
- Developed scripts for automated build, deployment, and maintenance tasks, streamlining development processes through Jenkins, Docker, and Maven.
- Prioritized code collaboration and issue tracking through GitHub and JIRA, facilitating efficient project management.
- Fostered a culture of Test Driven Development (TDD) and Behavior Driven Development (BDD) using Mockito, ensuring software quality from the outset.

- Engineered complex server-side logic for optimal data rendering in the user interface by effectively managing file operations with AWS S3 Bucket.

Environment: Agile methodologies, SCRUM, JIRA, Responsive web design, Angular, HTML5, CSS3, JavaScript, Bootstrap.

EDUCATION

Brooklyn College, Brooklyn, NY || Bachelor’s in Computer Science

REFERENCES AVAILABLE UPON REQUEST