**Sudip Rijal**

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**Professional Summary:**

* 8+ years of Java development experience, developing webservices, microservices and Java backend services using Spring boot, Spring and Cloud.
* Experience in working with Java 8 (Lambda, Stream, Functional Interface, Optional Class etc.).
* Experience working with Agile SCRUM methodology.
* Experience in Web development with Angular JS, React, JavaScript, JSP, XML, and XSLT.
* Extensive Experience with integration of React applications with RESTful APIs endpoints, also effectively managing asynchronous data fetching and updating the user interface in real-time.
* Experiences in developing Single-Page Applications (SPAs) using Angular which ensures the application’s navigation is smooth, efficient data handling, and overall performance is optimized to deliver excellent user experiences.
* Successfully merged and streamlined customer data gathered from diverse sources into the Redpoint Customer Data Platform (CDP).
* Maintained data accuracy and consistency by implementing robust data mapping and transformation processes as a part of Redpoint CDP.
* Experience in developing client-facing web applications, collaborating closely with the product owners to translate the business requirements into user centric feature and functionalities.
* Contributed to the design and development of client-facing web applications, prioritizing user needs and feedbacks to create intuitive interfaces and exceptional user experiences.
* Experience with Node.js and Express.js to design and construct tenacious RESTful APIs which facilities flawless interaction between frontend and backends components.
* Heavily involved into breaking down monolithic application into smaller microservices using Node.js to create those smaller services which were designed to be lightweight.
* Written unit and integration tests for Node.js applications using Mocha, Chai and Sinon to ensure high code quality throughout the application.
* Developed and maintained complex user interfaces using Angular, utilizing features such as data binding, template-driven and reactive forms, custom directives, and pipes.
* Experience in MVC architecture using Spring MVC.
* Experience working with developing and consuming Rest API and SOAP based web services.
* Experience in working with in premise VM, private cloud using PCF and OpenShift and public cloud using Amazon AWS.
* Utilized AWS services such as EC2, ECS, and Lambda to develop and deploy highly scalable applications capable of handling varying workloads.
* Setup monitoring and logging solutions using AWS CloudWatch logs and CloudTrail to track application performance, detect issues, and troubleshoot errors in real-time.
* Experience utilizing tools in Microservices architecture applications using Spring Boot, Spring Cloud.
* Experience in working with persistence layer using Spring Data JPA.
* Experience working with Oracle RDBMS, Oracle RDM and PL/SQL.
* Experience working with Oracle WMS, which tools simplifies warehouse management and drives operational excellence.
* Hands on experience with Core Java with multithreading, Concurrency, Exception Handling, File handling, IO, Generics, Data structures and Collections.
* Leveraged Kafka as a distributed data Streaming platform for seamless real-time data processing and analytics.
* Used Kafka as a central hub, gathering and combine log data from multiple sources, streamlining log management and analysis.
* Implemented data transformation tasks using NiFi intuitive user interface which allows data enrichment, validation, and cleansing.
* Experience with using TDD and BDD.
* Experience in writing unit tests using JUnit, TestNG, Mockito, Spring boot Test, Spring Mock etc.
* Experienced with IBM WebSphere Application Server, Oracle WebLogic application servers, JBoss, and Apache Tomcat Application Server.
* Experience with built tools like Maven and Gradle.
* Experience in using CICD with Jenkins.
* Integrated Kubernetes into CI/CD pipelines, automating the testing, building, and deployment processes of Java applications.
* Experience in using GIT, SVN as source control system.
* Experience with Kibana, Elastic Search for logging and debugging purposes.
* Good at Documenting and Understanding User requirements and System Specifications.

**Technical Skills:**

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| Languages | Java 8, Java 11, TypeScript |
| J2EE Technologies | JDBC, JSP, JSTL, Servlet, Web Services (SOAP/REST) |
| Web Technologies | HTML, CSS, JavaScript, jQuery, JSP, JSON |
| Frontend Frameworks | Angular, React |
| Backend Frameworks | Spring, Spring Boot, Hibernate, Node.js, Express.js |
| Databases | My SQL, Oracle, SQL Server |
| Web/Application Servers | WebSphere, JBOSS, Apache Tomcat |
| Methodologies | Agile, Scrum, Waterfall. |
| Operating Systems | Windows, IOS |
| Cloud platforms | AWS (EC2, Lambda, S3 Storage, RDS, AWS IAM), PCF |
| IDEs | Eclipse, NetBeans, IntelliJ, VS code |
| Version Control | GIT, SVN |
| Build Tools | ANT, Maven, Gradle |
| Data Pipelines | Apache NiFi, Apache Kafka |
| Test Frameworks | JUnit, Mockito |
| Deployment | VMs, Docker, Kubernetes |
| Logging Tools | Proxy-Man, Charles Log |
| Analysis Tools | Kibana, Tableau, MS Excel |
| Other Tools | Redpoint CDP, Postman |

**Work Experience:**

**Client: E\*TRADE from Morgan Stanley, San Francisco, CA July 2021 – Current**

**Role: Full Stack Java Developer**

**Responsibilities:**

* Worked on a Mobile Gateway Services team that co-ordinates with IOS, Android and Web team to work on various prod and non-prod issues.
* Collaborated directly with the clients to understand the requirements and translate into effective web applications solutions.
* Analysis of Legacy code base which was written in Java and write new Node services in JavaScript/TypeScript.
* Collaboration with the architecture team where I actively participated in the transition from a monolithic architecture to an independent micro-service based.
* Built a GraphQL API layer using Apollo Server and Node.js allowing clients to view the precise data they need to reduce data over fetching.
* Utilize Git for version control and collaborate with team members using Agile methodologies.
* Involved in drafting contract for new APIs for different products.
* Worked on development of Java-based web applications using Spring Framework.
* Collaborated on the development of new services/APIs using TypeScript/JavaScript.
* Used Spring Dependency Injection to inject required services, resulting in more modular and maintainable code and improved flexibility and testability of the applications.
* Worked extensively on Eclipse, IntelliJ, and VS code as IDEs.
* I leveraged the Spring Boot framework to implement REST Microservices, enabling the creation of lightweight and scalable applications with simplified configuration and deployment.
* Used Redpoint Customer Data Platform to categorize customer data according to demographic, behavioral, and transactional characteristics.
* Connected Redpoint CDP with various systems and applications by creating and putting into action RESTful API integrations.
* Developed and customized reports and analytics dashboards within the Redpoint CDP to provide actionable insights to marketing and business teams.
* Implemented Kafka producers and consumers to publish and consume messages from various topics.
* Implemented message serialization and deserialization using Kafka serializers and de-serializers to ensure efficient data transfer and compatibility across different systems.
* Integrated Kafka with Microservices architecture to enable asynchronous communication between different components.
* Implemented custom data processing logic using NiFi processes to perform aggregation, filtering, sorting, and joining of data streams.
* Applied AWS technologies to architect, deploy and manage resilient and scalable cloud infrastructures, optimizing performance and reliability for mission-critical applications.
* Leveraged AWS lambda and API Gateway to design and implement serverless architectures, reducing infrastructure management overhead and achieving cost savings.
* Collaborated with stakeholders to create comprehensive migration plans, outlining timelines, resources requirements, and risk mitigation strategies for migration workloads to the AWS cloud.
* Parsed XML response received in Java code through Web Services.
* Used JUnit and Mockito for test cases.
* Used Hibernate as the ORM tool to connect with Oracle database, Oracle, and MySQL.
* Used Kibana to check the logs in different environments for debugging purposes.
* Monitored the health and performance of java applications running on Kubernetes clusters.
* Involved into using tools like Jenkins, GitHub CI/CD to trigger deployments to Kubernetes clusters based on code changes.
* Configured auto-scaling and load balancing in Kubernetes to dynamically adjust resources based on workload demands.
* Produced a range of documentation and worksheets/charts for both analysis purposes and to aid in the development process.

**Environment:** Java, JavaScript, TypeScript, Node.js, Express.js, AWS, Redpoint CDP, Kibana, Elastic - Log Search, D-cube Analytics, JDK, Spring, Hibernate, Oracle, SQL Developer, Maven, SVN, JIRA, Agile/Scrum, Apache Kafka, Kubernetes, HTML/CSS, XML, Log4j, IOS, Jenkins**.**

**Client: MasterCard, St. Louis, MO Dec 2020 – June 2021**

**Role: Java Developer**

**Responsibilities:**

* Worked with Microservices architecture using Spring Boot to modularize code and implemented Rest API’s using Spring Rest and integrated Swagger API for the document.
* Capitalized complete annotation driven approach to develop application using spring Boot and was involved in setting up the spring bean profiling. Also, created build and deployment scripts using maven.
* Extensively worked with Java 8 features like Functional Interfaces, Stream API, Time API, Transaction Management, Exception handling, Collection API, and Lambda Expressions.
* Built cloud Microservices and implemented back-end using Spring boot.
* Used GIT for version Control of code for incremental development and on a day-to-day basis to maintain the code history.
* Developed the functionalities under Agile Methodology, JIRA processes and used JIRA for task assignment, bug tracking and fixing.
* Established Kafka monitoring and alerting mechanisms for protractive issue detection and ensuring the Kafka cluster.
* Used NiFi to ingest data efficiently and reliably from various sources, including databases, logs, APIs, and more.
* Used Node.js and Kafka to build a data streaming components which enables real-time data processing and analytics for large-scale metadata.
* Worked as a part of Agile software Development Methodology including Scrum technology.
* Involved in requirements gathering and analysis from the existing system. Captured requirements using Use Cases and Sequences Diagrams.
* Used Continuous Delivery/ Continuous Integration (CD/CI) tools – Docker, Jenkins to deploy applications on PCF.
* Configured Kubernetes-native logging using tools such as Elasticsearch, enabling centralized log management and real-time log analysis for troubleshooting and debugging.
* Involved in setting up and managing Kubernetes clusters on cloud and on-premises platforms.
* Used Postman to test API workflow tested on JSON files.
* Used SpotBugs, FindBugs for debugging and maintaining code quality.

**Environment:** Java 8, Java/J2EE, Node.js, Express.js Spring Boot, Microservices, Spring Data, Web Services, Rest, Spring, Apache Kafka, Apache NiFi, Kubernetes, IntelliJ, Oracle, JUnit, Mockito, PCF, GIT, Bitbucket.

**Client: Apple Inc, Austin Tx Jan 2020 – Dec 2020**

**Role: Java Developer**

**Responsibilities:**

* Actively involved in all phases of the Software Development Life Cycle (SDLC), including the Analysis, Design, Development, Testing of system requirements.
* UI part of the application has been developed in React and Angular framework and backend services are written as Microservices.
* Experiences with React components, managing state, and implementing Redux to ensure smooth data flow and effective application logic.
* Experiences creating various types of tests for React components, including unit tests, integration tests, and end-to-end tests.
* Followed Agile/Scrum for the project with two weeks of sprint.
* Experiences in using build/deploy tools such as Jenkins, docker and OpenShift for Continuous Integration & Deployment for Microservices.
* Created Gradle builds to build and deploy Spring Boot microservices to internal enterprise Docker registry.
* Created batch processing classes to consume web services from those windows batch files and scheduled those tasks using Shell Scripts.
* Deployed applications in OpenShift container.
* Implemented Microservices architecture with Zuul Proxy API gateway and Netflix Eureka service registry.
* Developed code changes to connect to the database layers using data source and perform different types of database operations in Oracle with Spring data.
* Used Bitbucket GIT to maintain different versions of application code.
* Implemented Unit Tests using JUnit, Mockito and Spring Boot Test.
* Used CICD with Jenkins Pipeline.

**Environment:** Java 8, Java/J2EE, Angular 8, React, Angular, Docker, OpenShift, Spring Boot, Microservices, Spring data, Web Services, Rest, Spring, IntelliJ, Apache Tomcat, Oracle, Log4j, Gradle, JUnit, Mockito, GIT, Bitbucket.

**Client: Bank of America, Charlotte, NC Jan 2018 – Dec 2019**

**Role: Java Developer**

**Responsibilities:**

* Documented all stages of the project, generated documentation using Java API Documentation Generator.
* Followed Test Driven Development (TDD), Scrum concepts of the Agile Methodology to produce high quality Software.
* The application UI portion was built using React and Angular Framework.
* Engineered microservices architecture with Node.js enabling modular and independent deployment.
* Used Node.js to create real-time notifications and chat which elevates user engagement and dynamic interactions.
* Implemented Comprehensive unit tests for Node.js applications to maintain the code quality.
* Hands on experience with Angular, comprehensive understanding of its underlying architecture, as well as its various components, services, modules, and other important concepts.
* Involved in design, develop and implementation of the application using Spring and J2EE framework.
* Created an XML configuration file generating beans of the java classes.
* Built web-based application using Spring MVC Architecture and REST Web-services.
* Created an XML configuration file for Hibernate for Database connectivity.
* Implemented persistence layer using various features of Hibernate framework like HQL queries, Criteria, projections etc.
* Build Spring Boot microservices for the delivery of software products across the enterprise.
* Leverage Kafka to extract, transform, and load data seamlessly into data warehouse or data lakes.
* Set up Kafka monitoring and alerting to proactively detect issues and ensure the overall health of Kafka cluster.
* Configured the JDO configuration files to persist the data to the Oracle Database.
* Conduct systems design, feasibility and cost studies and recommend cost-effective cloud solutions such as Amazon Web Services (AWS).
* Implemented AWS disaster recovery plans for seamless business continuity.
* Developed serverless ETL (Extract, Transform, Load) pipelines using AWS Lambda and Java, optimizing data processing workflows for scalability and cost efficiency.
* Conducted AWS training sessions and workshops to educate stakeholders on cloud technologies, best practices, and security protocols, fostering a culture of cloud awareness and proficiency.
* Carried out bug fixing by rigorous testing using JUnit tests.
* Used Log4j for legging and debugging purpose.
* Database Schema and tables were developed using SQL Developer.

**Environment:** Java/J2EE, Node.js, Express.js, AWS, Apache Axis, Apache Kafka, Spring, Hibernate, WebSphere, JDO Repository, Tomcat, XML, Log4J, JUnit, Oracle, Windows.

**Client: Charter Communication, St. Louis, MO Aug 2015 – Dec 2017**

**Role: Jr. Java Developer**

**Responsibilities:**

* Involved in analysis and design of various parts of the team’s domain based on the requirements.
* Worked parallel over releases to clean up code and make performance improvements to the application.
* Used JavaScript to create reporting console tool for the application. Application was designed and developed using the Spring framework.
* Used Spring Dependency Injection to inject required services.
* Consumed WSDL using SOAP protocol to access trusted and secure services and data.
* Worked on JBoss locally and WebSphere in higher environments.
* Worked extensively on Eclipse as IDEs.
* Utilized version control systems like Git to manage code changes, collaborate with team members, ensuring codebase integrity.
* Implemented REST Microservices using spring boot.
* Parsed XML response received in Java code through Web Services.
* Used JUnit for test cases.
* Used Hibernate as the ORM tool to connect with Oracle database.
* Used Log4j as a logging tool.
* Used Maven for project builds and Extensively used SVN to connect to SVN repository.
* Wrote various documents and spreadsheets based on analysis or for ease of development.
* Continuously learn and improve java programming skills, as well as understanding of software development best practices, design patterns, and development methodologies.
* Participated in code reviews, both as a reviewer and a reviewee, to ensure the code quality, adherence to coding standards, and knowledge sharing within the team.

**Environment:** Java, JDK, Spring, Hibernate, Oracle, SQL Developer, Maven, Git, SVN, JIRA, WebSphere, Agile/Scrum, HTML/CSS, XML, Log4j, Windows**.**

**Education:**

Bachelor of Science in Computer Science

Queens College, City University of New York (CUNY), New York, USA