**Sarayu** Email: sarayup55@gmail.com

Senior Full Stack Java Developer  PH: +1 (980)-263-9861

**PROFESSIONAL SUMMARY:**

* Around 10 years of professional experience as Full Stack Java Developer in developing and deploying enterprise-wide software applications using Java, and J2EE. Spring boot microservices with Graph QL different Cloud.
* Good exposure to all phases of SDLC process, including system use case, functional & technical specification
* Used Agile methodologies during the complete project life cycle.
* Expertise in distributed, secure, and scalable application development using J2EE technologies like Spring Core, Spring REST, Spring MVC, GP2, Amazon Web Services (AWS), Web Service (Using SOAP and REST) and Graph QL, Hibernate
* Developed the front-end using HTML5, JavaScript, jQuery, AJAX and CSS3.
* Experience in the design and development of SOAP and RESTful web services and integrating with the existing applications.
* Highly skilled and experienced Java developer with a PayEdge specialization in telecom and wireless domain.
* Experienced and detail-oriented Java Developer with a strong background in DevOps, Graph QL, proficient in building scalable and efficient applications.
* Proven expertise in utilizing Volante for seamless integration and compliance adherence.
* Strong proficiency in Java programming language coupled with advanced knowledge of Apache Flink for real-time data processing.
* Experienced in developing and maintaining Java applications with a strong emphasis on quality assurance and automation.
* Demonstrated proficiency in architecting and optimizing applications on AWS for the PayEdge scalability and performance.
* Utilized Oracle 12c features to optimize database performance, streamline data access, and enhance system reliability.
* Proficient in debugging and troubleshooting existing code using JIRA/Azure DevOps, Developer tools, and GIT as a Version Control System.
* Expertise in Spring framework, GP2 extensively used Spring DI, Spring AOP, PayEdge, Spring JDBC templates, Spring REST, and Spring MVC.
* Experienced Java Developer with expertise in backend integration and a strong foundation in technologies such as IBM MQ, IBM WAS, DB2, RDBMS/SQL, Linux/Unix, and Shell scripting.
* Extensive expertise in Java, Spring Framework, Oracle, and Azure Cloud.
* Accomplished in implementing and supporting various modules and integrations tied to Oracle Fusion Cloud Products, particularly SCM modules, and Oracle Integration Cloud.
* Knowledge in developing Micro Services with Spring Boot and deploying them in the Pivotal Cloud Foundry (PCF)
* Good experience with Cassandra NoSQL Database.
* Proficient in using react-router for declarative navigation between pages of web applications.
* Adept in Object-Oriented Analysis and Design (OOAD), Java EE, PayEdge, Open JDK, Web Services Technologies (REST/SOAP, JSON), and proficient in Java, Spring Framework, Oracle, and Azure Cloud.
* Experience in database design and development using PL/SQL, Stored Procedures, Functions, Triggers, prepared statements, and writing native queries.
* Experience in building scripts for enterprise applications using ANT, Maven, and Gradle.
* Followed Single Page Application (SPA) Pattern and used Angular JS MVC to build a cross-browser compliant application.
* Expertise in Apache Camel for seamless integration and the GP2, proficiency in implementing and optimizing Couchbase for enhanced data storage and retrieval.
* Knowledge of implementing Spring Security's OAUTH2 and AZURE AD Graph QL, token-based authorization technique to secure APIs.
* Experienced in building local clusters, deploying application clusters, and managing local deployments in Kubernetes.
* Experienced in Client-side validations using Ajax in Node.js, Angular.js, React.js, and Dashboards reports.
* Implemented Unit testing, Integration Testing, and generating of test cases for web applications using JUnit, Mockito and TestNG
* Implemented Client-side Discovery and Server-side Discovery patterns to route requests for a client to an available service instance in a microservices architecture.
* Experience in working with the latest JavaScript frameworks like NodeJS, Angular 11, AngularJS, Angular 7.0, and Bootstrap. Implemented multiple web applications using MEAN Stack development.
* Experience in handling different Web Servers like Tomcat, and Application Servers like JBoss, WebSphere, and WebLogic.
* Utilized AWS services such as ECS, Lambda, and DynamoDB to deploy scalable and efficient applications.
* Developed common XML schema (XSD) as client contracts used to GP2 publish Top-Down approach-based Web Service.
* Integrated and optimized databases including PostgreSQL and angular, enhancing data retrieval efficiency.
* Ability to meet project deadlines, and handle GP2 multiple tasks. Good knowledge of AWS S3 and Lambda functionalities.
* Involved in setting up AWS services with EC2 instances, S3 bucket, Graph QL, IAM, and RDS took part in deploying applications in AWS.

**TECHNICAL SUMMARY:**

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| **Programming Languages**  | Java |
| **Java/J2EE Technologies** | J2EE, Servlets, JDBC, JSP, JPA, Spring, Spring BootHibernate, Junit, Apache Struts, Java Beans, JMS, EJB, Java Security, JNDI, JSF, REST, JAX-WS, Google Analytics |
| **Web Technologies** | JavaScript, HTML 5, XML, CSS, XHTML, Angular JS, ReactJS, Node JS, GUI, XSL, XSLT, jQuery, PayEdge, JBoss SEAM, JSON, JSF, Microservices. |
| **Frameworks** | Hibernate, Spring, Struts, Spring Boot, Junit, Apache Camel, GP2. |
| **Web Services** | REST, SOAP, Micro Services |
| **EAI and Messaging Tools** | IBM MQ, Active MQ, Kafka, AWS SQS, SNS |
| **Web/Application Servers** | Web Logic, JBoss, Apache Tomcat, IBM Web Sphere |
| **Database/Database Tools** | MySQL, Oracle, DB2, SQL Server, Couchbase, Azure SQL(RDBMS), Cassandra. DynamoDB, Cockroach  |
| **IDE** | IntelliJ, Eclipse, Spring Tool Suite (STS), Net Beans |
| **Modeling/CASE Tools** | Star UML, Rational Rose, MS Visual Professional. |
| **Build Tools** | Ant, Maven, Gradle  |
| **Configuration Management Tools** | GIT, SVN, CVS. |
| **OS & Environment** | UNIX, Linux, Windows |
| **Others** | AWS, Azure, GCP, Putty, Notepad++, WinSCP, GIT, JNA, Star Team, Jenkins, Rational Clear Quest, Pivotal Cloud Foundry (PCF), Graph QL, HP Quality Center (QC). |

**WORK EXPERIENCE:**

**Client: HSBC Bank, NC Oct 2022-Present**

**Senior Full Stack Java Developer**

**Responsibilities:**

* Designed and developed Microservices Application based on Spring framework using MVC design patterns.
* Used Spring MVC Transaction Management, Spring/Hibernate Batch Transactions, and Hibernate cache concepts.
* Utilized Power Mockito framework extensively for unit testing Java codebase, ensuring code quality and reliability.
* Used Spring Data Framework to use the features of Spring JDBC and Spring ORM classes like JDBC Template and Hibernate Template to the GP2 perform the PayEdge database operations by the Graph QL connecting to Data sources available.
* Proficient in writing and optimizing PL/SQL queries and stored procedures to interact with Oracle databases, ensuring efficient data retrieval and manipulation.
* Proficient in integrating and implementing business rules using Drools, a popular open-source rule engine.
* Migrated existing monolithic architecture to the PayEdge, Spring boot Microservices and then to different cloud.
* Worked with Restful Web services to interact with GP2 and Graph QL external systems exposed via API Gateway Interfaces.
* Proficient in building interactive user interfaces using React.js, leveraging its component-based architecture to create scalable and reusable UI components.
* Developed backend services, data access objects, and data repositories using Spring and Spring JPA.
* Experienced in designing and implementing database triggers and functions using PL/SQL for enforcing business rules and data integrity constraints.
* Experience in developing Cloud computing microservices using Spring Boot, Spring Cloud, and Netflix-based Eureka Discovery, Eureka Server, Zuul, PayEdge, Ribbon, Hystrix, and Feign.
* Implemented various features of the spring framework such as Dependency Injection and Spring Integration with Hibernate. Used spring data JPA to communicate with PostgreSQL and DynamoDB.
* Migrating Services from On-premise to AWS Cloud Environments.
* Experienced in database modeling using tools like Oracle SQL Developer Data Modeler, ensuring data integrity and efficient storage.
* Implement SOAP and RESTful web services for seamless integration between disparate systems.
* Collaborate with development and QA teams to maintain high-quality deployment
* Managed infrastructure, including setting up servers and Docker containers using Jenkins for continuous testing and deployment from usually GitHub-based repos to servers and Docker containers.
* Implemented Microservice Architecture with Spring Boot-based RESTful services and consumed SOAP-based Web Services.
* Involved in process for builds and deployments with Maven, and Jenkins for continuous integration. Used Kafka to send and receive messages and async process.
* Integrated Angular components with Spring Boot backend services to create GP2 robust and scalable full-stack applications.
* Design and implement access control mechanisms in Java applications to enforce role-based access control (RBAC) and permissions.
* Developed robust backend systems for a mission-critical application using Java, integrating seamlessly with IBM MQ and IBM WAS to ensure reliable message queuing and efficient web services.
* Implemented the Batch Job using Spring Batch to the PayEdge process the bulk data
* Worked on AWS Lambda to GP2 automate response to multiple events which includes HTTP requests via API Gateway.
* Experienced in designing NoSQL data models based on application requirements, Graph QL, optimizing data retrieval and storage for performance and scalability.
* Used Sona for Code analysis and code coverage
* Involved in the data migration process from Mainframe Db2 to Cockroach DB
* Experience with SSL/TLS communications specifications with a better understanding of its handshake mechanism and enabled TLS in an application.
* Used Microservice architecture with Spring Boot-based services interacting through Apache Kafka.
* Involved in writing Java API for PayEdge, Amazon Lambda to manage some of the AWS services.
* Tested the applications using JUnit and the GP2 Mockito and configured through Maven fire plugins to be part of Continuous Integration. Created Stored Procedures and other SQL scripts using PL/SQL
* Developed Java API to interact with the Amazon SQS used in sending bulk emails
* Selecting the appropriate AWS service based on computing, data, or security requirements
* Integration of Amazon Web Services (AWS) with other PayEdge application infrastructure
* Experience working with Docker to improve our (CD) Continuous Delivery framework to streamline releases
* Used Jira for defect management and to keep track of bugs and issues Designed and developed Test cases for TDD and BDD.

**Environment**: JAVA 8, J2EE, Spring Boot, Spring Batch, Oracle Hibernate, Angular 6, Oracle Integration Cloud, Docker, Angular 11, Kubernetes, AWS, jQuery, PayEdge, Angular 5, GP2, Graph QL, JSP, Spring MVC, AJAX, REST, RabbitMQ, Oracle HCM, SQL Server, Google Analytics, Eclipse, GitHub and Agile.

**Client: Southwest Airlines, TX. Feb 2022-Oct 2022**

**Java Software Developer**

**Responsibilities:**

* Involved in End-to-End Design, Development, and Testing of Streamlets module. Actively involved in Analysis, Design, Development, Graph QL, System Testing, and User Acceptance Testing. Followed Agile and SCRUM methodologies.
* Skilled in dynamic SQL generation within PL/SQL to construct and execute SQL statements dynamically based on runtime conditions.
* Experience in defining and managing complex PayEdge business logic and decision-making processes using Drools.
* Configured and maintained Autosys job scheduler for the GP2, scheduling and monitoring batch jobs, ensuring timely execution of critical processes.
* Deployed and configured applications on IBM WebSphere Application Server (WAS), python optimizing performance and ensuring seamless execution.
* Designed and implemented message queuing and routing patterns using Apache ActiveMQ, including point-to-point, publish-subscribe, and request-response messaging.
* Integrate front-end components with backend Java services through RESTful APIs or WebSocket communication.
* Implemented data transformation logic using Apache Camel's built-in Data Format and Data Mapping components to ensure seamless communication between heterogeneous systems
* Monitored and analyzed Pub/Sub message queue performance and availability using tools such as Stack Driver, Prometheus, and Grafana.
* Experienced in integrating PL/SQL code with Java applications using JDBC for the Graph QL seamless interaction between the database layer and python application logic.
* Developed performance monitoring tools and dashboards to python in Pay Edge track system performance metrics such as message throughput, latency, and error rates, enabling proactive identification and resolution of issues.
* Worked in using React JS components, Forms, Events, Keys, GP2, Graph QL, Router, Animations, and Flux concepts.
* Used different DevOps methodologies, implementing CI/CD Pipelines using toolsets like GIT, Jenkins, and Chef.
* Implemented containers for application deployment, streamlining the development-to-production process.
* Configured Jenkins pipelines for automated builds, tests, and deployments.
* Familiar with NoSQL database monitoring and the PayEdge performance tuning tools, identifying and addressing performance bottlenecks proactively.
* Provided ongoing support and maintenance for payment processing systems, including python troubleshooting and resolving production issues in a timely manner to minimize business impact.
* Orchestrated containerized deployments and monitored application health using ELK stack technologies.
* Designed and developed Camel routes for message routing, transformation, and error handling.
* Effectively communicated technical concepts to the payedge cross-functional teams, fostering collaboration and project alignment to analyze business requirements using Apache Camel.
* Experienced in integrating Oracle databases with Java applications using JDBC, facilitating seamless communication and data exchange.
* Expert at handling Unit Testing using JUnit, Jasmine, python, Mockito, and Karma.
* Integrated Apache Camel for seamless integration of systems and applications, improving overall data flow and communication.
* Demonstrated proficiency in Object-Relational Mapping (ORM) and Design Patterns, ensuring a clean and maintainable codebase.
* Knowledgeable in optimizing React applications for GP2, performance, employing techniques such as code splitting and memoization.
* Designed and created complete business processes for orchestration using Oracle Integration Cloud (OIC).
* Implemented monitoring solutions with Dynatrace and Splunk Cloud tech, PayEdge, providing insights into system performance and enhancing troubleshooting capabilities.
* Developed custom ActiveMQ connectors and plugins to integrate with external systems and services.
* Implemented database solutions using DB2, python, GP2 demonstrating proficiency in RDBMS/SQL for optimal data storage and retrieval.
* Utilized Linux/Unix environments and Shell scripting for system automation, contributing to improved deployment processes and overall system efficiency.
* Managed DevOps processes and pipelines using Jenkins/Concourse, ensuring continuous integration and deployment of applications.
* Monitored and analyzed ActiveMQ message queue performance and availability using tools such as JMX, Prometheus, and Grafana.
* Designed and implemented cloud-based solutions using various AWS services such as S3, Lambda, Step Function, AMQ, SNS, SQS, and CloudWatch Events.
* Implemented event-based architecture in AWS and optimized system of GP2 efficiency by utilizing Kubernetes (EKS) for container orchestration.
* Implemented and maintained CI/CD pipelines using Docker, Jenkins, and Ansible, ensuring efficient and automated deployment processes.
* Designed and implemented publish-subscribe messaging patterns using Google Cloud Pub/Sub, including topic-based and content-based filtering.
* Collaborated with cross-functional teams to ensure seamless integration of Kafka and Splunk for data processing and analysis in mobile applications.
* Leveraged expertise in Splunk, Dynatrace, python and Grafana to monitor, analyze, and troubleshoot system behavior, contributing to enhanced performance and reliability.
* Deployed spring boot actuator to watch the web app's execution closely. Able to produce a user analysis using Google Analytics. Implemented log4j to enable logging.
* Used jQuery to navigate to different pages of the application using DOM elements, and to create AJAX pages.
* Used GitHub repository to submit code changes that are in turn to review the code written by the team before they are merged to the headmaster branch before production.

**Environment**: Java 8, Maven, Python, Hibernate, ReactJS, BackboneJS, HTML5, OIC, Oracle HCM, CSS3, Kafka, RabbitMQ, Azure, Apache Tomcat, JSON, JavaScript, Spring, GP2, Oracle12c, SQL, Spring JDBC, Eclipse, JUnit/Mockito, Karma, JMeter, Selenium, Jenkins, Chef, GitHub, Docker.

**Client: JP Morgan & Chase, India June 2016-Jan 2022**

**Java Developer**

**Responsibilities**:

* Worked on High-level and low-level system design, planning, estimation, and implementation.
* Worked on the development and implementation of the MVC Architectural pattern using Spring Framework including JSP, and Servlets.
* Implemented server-side components using Core Java multi-threading python web services with Spring framework Spring MVC IOC caching Messaging.
* Proficient in utilizing cursors in PL/SQL for iterative processing of result sets and fetching data from Oracle databases.
* Worked in Linux/Unix environments, utilizing Shell scripting to automate routine tasks and enhance overall system efficiency.
* Knowledgeable in performance tuning techniques such as the GP2 indexing, query optimization, and using execution plans to enhance the efficiency of PL/SQL code.
* Drive continuous improvement to system architecture and web services (SOAP) by python refactoring old legacy code.
* Worked on web services and associated business module integration.
* Designed and implemented PubSub architecture using Apache ActiveMQ, facilitating efficient communication between different components of the system.
* Implemented authorization and authentication of the applications using Spring Security and OAUTH2.
* Integrated OIC (Oracle Integration Cloud) with existing and new systems to maintain business continuity.
* Implemented Multithreading, Concurrency, python, Exception Handling, and Collections whenever necessary.
* Implemented Object-Relational Persistence (Hibernate) for the domain model.
* Used Jenkins continuous integration tool to do the deployments.
* Developed custom Spring Boot starters and auto-configuration modules to simplify application development and deployment.
* Implemented Oracle Integration Cloud adapters to connect with various Oracle and non-Oracle applications, enabling smooth data flow and interoperability between disparate systems and platforms.
* Developed and maintained applications using the Spring framework/suite, python, ensuring modular and maintainable code for complex business logic.
* Used Batch processing to optimize the data handling for the GP2 largescale operations, and improve overall system efficiency.
* Experienced in data migration between different NoSQL databases or from traditional RDBMS systems, ensuring data integrity and minimal downtime.
* Developing scripts for build, python deployment, maintenance, and related tasks using Jenkins, and Maven.
* Designed and implemented microservices and RESTful APIs using Spring Boot, including declarative configuration, dependency injection, and aspect-oriented programming.
* Worked on XML and JSON for transferring and retrieving data between different applications.
* Extensively using Bootstrap for layout as well as responsive design and CSS for the GP2 Responsive design.
* Used to write SQL queries, Triggers, and Functions for Oracle database and developed some complex SQL queries.
* Involved in Maintenance and Enhancements for the project.
* Designed, configured, and deployed Amazon Web Services for many applications utilizing the AWS API gateway and ELK (Elastic search, Kibana, Logstash) stack focusing on high availability.
* Worked in the Jenkins continuous integration process and the Maven build process
* Used GIT for version control and JIRA for bug tracking, project management, and Maven as build tools.

**Environment:** Java, Spring, AJAX, Angular.js, jQuery, XML, CSS, Spring Boot, SOAP, Apache Web Server, RESTful web services, Oracle OIC, Agile.

**Client: Vodafone, India** **Aug 2014-May 2016**

**Role: Java Developer**

**Responsibilities:**

* Participating in Requirement Analysis and technical assessment during the project life cycle.
* Worked in a Waterfall environment and participated throughout the SDLC process.
* Developed and maintained robust and scalable applications using Java, contributing to Vodafone's core systems.
* Developed application screens using HTML5, AngularJS, CSS3 and JavaScript.
* Collaborated with cross-functional teams to design and implement solutions that enhanced the performance and functionality of Vodafone's customer-facing applications.
* Involved in creating JSP pages for presentation of the data to the end user.
* Loading data from flat files into Oracle 11g database using SQL loader.
* Carried out various mathematical operations for calculation purposes using Python libraries.
* Did regular code reviews and fixed major bugs without side effects.
* Integrated Spring Boot applications with various databases, ensuring effective data storage and retrieval mechanisms.
* Developed hibernate Repository logic.
* Strong experience writing APIs and web services in Python.
* Involved in bug fixing during the System testing, Joint System testing and User acceptance testing.
* Developed Controller and services using Spring boot.

**Environment:** Java, HTML5, CSS3, JavaScript, JSP, AngularJS, Oracle, Spring Boot, MySQL.

**EDUCATION:**

Malla Reddy Engineering College.