**Saida Rao**

**Java Developer**

**Contact: +1 972 8538231**

**Email:**krishna@adven-it.com

**Professional Summary**

* **10+ years** of experience as a **Full Stack Java Developer**, proficient in object-oriented programming, design, and the development of distributed multi-tier enterprise applications.
* Expert in **Java and J2EE technologies**, adept with **Agile** methodologies and the **Software Development Life Cycle (SDLC)** across diverse domains.
* Deep expertise in **J2EE and GOF design patterns**, including **MVC**, **Business Delegate**, **Service Locator**, **Data Transfer Objects**, and **Data Access Objects**.
* Hands-on experience with **cloud technologies** such as **AWS EC2, S3, IAM, Cognito, Simple DB, Amazon RDS**, and **Cloud Watch**.
* Strong proficiency in **Java 1.8** and application development using **AngularV6, 8, 9**.
* Experience in maintaining and updating a **GraphQL** layer for data retrieval and user interaction with a **PostgreSQL database**.
* Collaborative work with backend teams to design and implement **GraphQL** types and resolvers.
* Proficient in managing **AWS Lambda functions** for event-driven and scheduled tasks to manage AWS resources.
* Solid programming skills in **Core Java** including **Multi-Threading**, **Exception Handling**, **Collection API**, and **OOP concepts** like **Polymorphism, Inheritance, Abstraction**, and **Encapsulation**.
* Skilled in system analysis, design, development, and implementation of web-based applications using **HTML5, CSS3, JavaScript/ECMAScript, Angular 2, Node.js, React.js, AJAX**, and **jQuery**.
* Developed **Single Page Applications** using **Angular 8** and **Reactive JavaScript Library RxJS**.
* Robust experience in **n-tier architecture**, utilizing **Java/J2EE** and related technologies such as **Servlets, JSP, Hibernate, Spring, EJBs, Struts, JNDI, Web Services, XML, JPA, JMS**, and **JDBC**.
* Implemented services using **Microservices architecture** with **Spring Boot** and **Spring Cloud** for service discovery.
* In-depth experience in **Model View Controller (MVC2)** design and development using **Struts, Spring Framework**, and **Hibernate ORM**.
* Designed, implemented, and tested services in a **Micro Service-oriented architecture** using **Spring Boot** and **Spring Data with JPA**.
* Monitored and optimized the performance, scalability, and reliability of **Micronaut** applications in production environments
* Deployed applications on various **Application Servers** and **Web Servers** like **IBM WebSphere, BEA WebLogic, JBoss, Apache Tomcat**, and **Glassfish**.
* Strong knowledge of **Relational and NoSQL databases** including **MS-SQL, Oracle, MongoDB, Sybase, MySQL, CouchDB, Cassandra, PostgreSQL, Redis**, and **Teradata**.
* Implemented **Web Services** based on **Service Oriented Architecture (SOA)** and monolithic architectures using **SOAP, Restful Web Services, JAX-WS, UDDI, WSDL**, and **WADL**.
* Proficiency in **dependency injection frameworks** like **Dagger2**, and **RxJava**.
* Managed **Continuous Integration** and automated build processes using **Jenkins**.
* Quality assurance with **SONARQUBE** for static code analysis.
* Comfortable with development tools like **IntelliJ, STS, Eclipse, Cloud Foundry**, and version control systems including **Git, Bitbucket**, and **Stash**.
* Experience in working with NoSQL Database like **MongoDB** to manage extremely large data sets.
* Integrated Dataflow pipelines with various Google Cloud services, including **Big Query** for data storage and analysis
* Designed, developed and tested Java back-end web application software to implement a new module to perform fraud analysis using the **Spring AOP** and **Spring Web flux**.
* Deployed the application on Amazon Web services (**AWS**) and used it to provide a large computing capacity for scalable solutions.
* Designed and implemented database schemas, tables, and relationships for applications using MySQL, **PostgreSQL**, or another **RDBMS**.

**TECHNICAL SKILLS**

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| **Programming Languages** | Java1.7/1.8, SQL / PLSQL |
| **Databases** | Oracle 9i / 10g/11g, DB2, MySQL |
| **Operating Systems** | Windows, Unix, Linux |
| **Build Tools** | Maven, Ant, Gradle |
| **Frameworks** | Spring 4.x, MVC, Hibernate 4.x/3.x, JSF, Struts 1.x/2.x, Spring Boot, GraphQL |
| **Application Servers** | Oracle WebLogic, IBM WebSphere, JBoss, Tomcat 6.x/7.0 |
| **Version Control** | SVN, CVS, Git, Clear case |
| **IDE** | Eclipse, RAD, My Eclipse, WebStorm, IntelliJ |
| **Methodologies** | Agile, Waterfall, Iterative |
| **Design Patterns** | Factory, Abstract Factory, Service Locator, Singleton, Decorator, Proxy, DAO, MVC, Business Delegate, Visitor, Template, Strategy, Façade |
| **Web Development Languages** | HTML5, XML, AJAX, CSS3, JavaScript, jQuery, JSON, DOJO, Angular, React JS, Bootstrap, JSF |
| **APIs** | JSP, JDBC, Servlets, Java Mail API, XML, JAXB, JMS, JSTL, SOAP &RESTFUL Web Services – JAX-WS, JAX-RS, CXF, JERSEY, AXIS, EJB – Session beans, Entity beans, JMS |
| **XML Technologies** | XML, JAXP, JAXB, XSLT, JNDI, LDAP |
| **Open Sources** | Log4j, JUnit, Apache CXF, AXIS |
| **Tools** | Query Browser, Visio2003, SOAPUI |
| **Agile Tools** | Rally, JIRA, Trello |
| **Testing APIs** | Junit, Mockito, Power Mockito |
| **Continuous Integration Tool** | Jenkins |
| **Quality Tools** | Check Styles, PMD, Find bugs, WebSphere App Scan, Sonar QUBE |
| **Performance Monitoring Tools** | JProfiler, Rational Performance Tester, JMeter |

**Professional Experience:**

**AT&T, Dallas, TX Sep 2022 – Till Date**

**Role: Sr Java Full Stack Developer**

**project Overview:** Led a key initiative to modernize legacy systems for a high-profile client in the financial services sector. The objective was to transition to a microservices architecture to facilitate the client’s move towards a more scalable, cloud-native application landscape. The project involved close collaboration with cross-functional teams to redefine the customer experience through a new enterprise web application. The initiative demanded a high level of technical expertise and a comprehensive understanding of both front-end and back-end ecosystems to deliver a seamless, robust, and responsive service.

**Key Contributions:**

* Orchestrated a shift from a monolithic architecture to a **microservices-based approach** using Spring Boot, enhancing the system’s agility, and enabling continuous delivery practices.
* Pioneered the development of a sophisticated **user interface**, ensuring optimal performance and responsive design across various platforms using Angular 11 and React JS.
* Played a pivotal role in the adoption of the **Agile-Scrum** methodology, facilitating rapid iterations and a shorter time-to-market while maintaining high software quality standards.
* Devised a strategy for legacy system data migration and integration into the new platform, ensuring data integrity and consistency.
* Led the charge in implementing **RESTful APIs** and GraphQL queries, enabling flexible data retrieval and streamlined front-to-back-end communications.
* Enforced best practices in coding and architecture design, significantly reducing the occurrence of bugs and bolstering system stability.
* Conducted comprehensive **test-driven development (TDD)** to ensure that each microservice was built with a focus on quality and resilience.
* Inserted, updated, and deleted data using **MongoDB's CRUD operations** while maintaining data integrity.
* Managed clustering and load balancing configurations for high availability and scalability, optimizing application performance.
* Developed Mobile and web applications using Android Studio, Swift, Java, **Kotlin** JSON, Restful API. REACT JS and others.
* Configured authentication mechanisms to ensure secure access to **MongoDB** databases.
* Incorporated and used languages such as **Kotlin** and Java in the development processes.
* Worked with **MongoDB** to store non-relational data into collection and retrieve them whenever required.
* Guided the deployment of containerized microservices into **AWS EC2**, utilizing Docker for container orchestration, which significantly improved deployment times and scalability.
* Contributed to the **database design** and management using Oracle and Cassandra, achieving high availability and performance in data handling.
* Instrumental in crafting and executing a robust security protocol across the application using JWT and Spring Security, effectively safeguarding sensitive financial data.
* Initiated the use of **cloud monitoring tools** like AWS CloudWatch and Azure Monitoring to proactively address performance bottlenecks and system anomalies.
* Leveraged **Ansible Playbook** for configuration management, ensuring consistent environments across development, testing, and production.
* Written unit tests, integration tests, and end-to-end tests to ensure the reliability and functionality of **Micronaut** applications
* Collaborated with DevOps to implement a **CI/CD pipeline** using Jenkins, which streamlined the build and deployment process, leading to more efficient release cycles.
* Developed and maintained infrastructure as cod**e (IaC) using Terraform** to provision and manage cloud resources,
* Evaluated new **Micronaut** features and technologies for potential integration into the project
* Expertise in using **Google Cloud Deployment Manager** for automating and provisioning cloud resources.
* Experience in working with NoSQL Database like **MongoDB** to manage extremely large data sets.
* ensuring infrastructure consistency and scalability.
* Developed and optimized SQL queries to retrieve and process data efficiently using **Big Query**.
* Designed and implemented **Terraform modules** to encapsulate and reuse infrastructure components and
* configurations across multiple projects and environments.
* Integrated Dataflow pipelines with various Google Cloud services, including Big Query for data storage and analysis
* Spearheaded the setup of **Kafka** clusters, boosting real-time event streaming capabilities across services.
* implemented auto scaling conditions to accommodate traffic variance.
* Involved in the development of real time streaming applications using **PySpark**, Apache Flink, Kafka, Hive on distributed Hadoop Cluster
* Designed and implemented database schemas, tables, and relationships for applications using MySQL, **PostgreSQL**, or another **RDBMS**.

**Technical Environment& Tools:**

**Core Technologies**: Java 1.8, J2EE5, Spring, Spring Boot, Hibernate, React Js, Angular 11, Bootstrap, GraphQL

**Development Tools**: IntelliJ, Eclipse, Docker, Jenkins, Apache Camel

**Database Management**: Oracle 10g/11g, Cassandra, SQL Server on Azure

**Version Control & Project Management**: GIT, Agile, JIRA

**Cloud & DevOps**: Azure, Terraform, AWS EC2, Docker, Ansible, Mesos/Marathon, EKS, Google Cloud,

**Messaging System**: Kafka

**UPS, Atlanta, GA Apr 2020 – July 2022**

**Role: Sr. Software Engineer II**

**Project overview:** Served as a pivotal member of the development team responsible for the strategic enhancement of Microsoft product distribution through innovative feature development and data-driven decision-making. This role demanded a comprehensive skill set across full-stack development, data analysis, and continuous integration and deployment, contributing significantly to the user engagement and growth of Microsoft products.

**Key Responsibilities:**

* Played a crucial role in the growth of Microsoft product distribution by engineering new notification layouts utilizing **TypeScript**, **HTML**, **CSS**, and **Java** with **Spring Boot**.
* Collaborated with the team to deliver impactful features through **A/B Test experimentation**, influencing over 3 million product downloads.
* Conducted in-depth analysis of observability metrics to drive feature releases, significantly impacting global market expansion across 33+ countries.
* Innovated and implemented new mechanisms, including levers, surfaces, and trigger logic to amplify the reach of Microsoft extensions.
* Architected and developed **RESTful APIs** using **Spring Boot**, enhancing the interoperability of front-end and back-end platforms.
* Integrated automated unit tests and stringent code quality assessments within **CI/CD pipelines**, ensuring the delivery of high-standard, reliable code.
* Leveraged **Spring Core's factory bean pattern** to streamline complex bean creation, enforcing a uniform bean instantiation process.
* Fused **Hibernate** with **Spring Data JPA** for efficient data access layer development and repository management.
* Directed comprehensive unit testing using **JUnit** to validate code reliability and functional integrity.
* Devised innovative features within config XML to facilitate dynamic notification displays in a Round-Robin sequence.
* Exploited the **Spring Boot** framework's capabilities to accelerate the microservices deployment cycle for faster feature iteration and delivery.
* Employed **Python** scripting to automate and refine development operations, enhancing process efficiency.
* Utilized **Power BI Dashboards** to analyze year-over-year data, interpret user interactions, and develop data-driven strategies to elevate engagement metrics.
* Managed data pipelines within **Azure Data Factory**, performing ETL on extensive datasets and scripting for data analysis to pinpoint optimal feature release candidates.
* Spearheaded load testing on microservices to validate and ensure system scalability and performance resilience.
* Presented data analyses and led discussions in ship room meetings, contributing to the collective decision-making process and feature deployment to production environments.
* Focused on inclusivity by implementing accessibility features with **React JS**, ensuring user interfaces cater to diverse user needs. Orchestrated infrastructure provisioning and management workflows using Terraform, ensuring proper resource.
* dependency resolution.
* Managed **Terraform** state files and backends to maintain a consistent and centralized state management for

distributed teams.

**Technical Environment& Tools:**

**Front-end Development**: TypeScript, HTML, CSS, React JS, **Back-end Development**: Java, Spring Boot, Hibernate, Spring Data JPA, **Testing & Quality Assurance**: JUnit, CI/CD pipelines., **Data Analysis & Reporting**: Power BI, Azure Data Factory, **Scripting & Automation**: Python, **Version Control & Collaboration**: [Version Control System Used], Microsoft Teams or similar platforms for team collaboration.

**Kroger, Cincinnati, OH Nov 2018 - Mar 2020**

**Role: Sr. Java Developer**

**Project Overview:** As a Senior Java Developer, I played a key role in the lifecycle of enterprise application development at intuit. My responsibilities encompassed crafting both functional and non-functional aspects of applications to meet complex business demands. I actively participated in Agile Scrum processes, leading system design and contributing to comprehensive solution development and integration testing.

**Key Contributions:**

* Engineered vital features for enterprise applications, tailoring functionality to align with strategic business objectives.
* Led the development of robust proof of concepts, orchestrated system component design, and spearheaded coding efforts, culminating in rigorous integration testing.
* Actively engaged in Agile Scrum ceremonies, contributing to project planning, architectural design discussions, and strategizing for product releases.
* Authored and refined a suite of web services utilizing **RESTful APIs**, employing **JBOSS Developer Studio** for development activities.
* Designed and implemented intuitive user interfaces using a combination of **JSF**, **Rich Faces**, **Prime Faces**, **HTML/HTML5**, **CSS3**, **JavaScript**, **jQuery**, **AJAX**, and **JSON**.
* Seamlessly integrated **Spring** and **Hibernate** frameworks to furnish robust ORM capabilities within the Spring ecosystem.
* Applied established **Java/J2EE Design Patterns**, including DAO, MVC, Session Facade, and Singleton, to ensure a coherent distribution of roles and foster a clean architecture.
* Crafted Java classes using the **Spring Framework** to instantiate the **Model-View-Controller (MVC)** architecture, promoting modular and scalable code structure.
* Formulated complex **SQL queries**, developed stored procedures, and authored control files for bulk data operations using **Oracle 10g**.
* Utilized **Oracle SQL Developer** for SQL scripting and conducted module and unit testing leveraging **JUnit** and **Log4j** for quality assurance.
* Provided exemplary production support, promptly addressing service tickets and requests to meet and exceed established service level agreements.
* Successfully integrated Apache Kafka to handle high-throughput message processing, resulting in a 20% increase in data processing speed.
* Developed and maintained message-driven applications using RabbitMQ and ActiveMQ, achieving reliable asynchronous communication between microservices.
* Implemented message routing, transformation, and mediation logic using Apache Camel, which reduced the code complexity by 30%.
* Optimized message queue performance, leading to a more efficient resource utilization and a reduction in processing time by 25%.
* Spearheaded the setup of **Kafka** clusters, boosting real-time event streaming capabilities across services.
* Developed custom Kafka Streams applications for real-time data transformation, reducing batch processing latency by 50%.

**Technical Environment& Tools:**

* **Programming Languages & Frameworks**: Java, J2EE, Spring, Hibernate, JSF, **Front-End Development**: HTML5, CSS, JavaScript, jQuery, AJAX, JSON, **API Development**: RESTful APIs, JBOSS Developer Studio, **Database Management**: Oracle 10g, SQL scripting, Stored Procedures, **Testing & Logging**: JUnit, Log4j, **Methodologies**: Agile Scrum, Proof of Concept Development, Design Patterns Implementation Messaging Tools: Apache Kafka, RabbitMQ, ActiveMQ, **Java Messaging Service (JMS) Providers**: RabbitMQ, ActiveMQ, **Integration Framework**: Apache Camel

**HTC Global Services, Hyderabad, India May 2014 – Jun 2018**

**Role: Java Developer**

**Project overview:** As a Senior Java Developer at staples, I was instrumental in steering the development of sophisticated enterprise solutions, enhancing business intelligence capabilities, and advancing claims processing systems. My role entailed a proactive engagement in the full software development cycle, from conceptualization to deployment, within a highly Agile environment.

**Key Responsibilities:**

* Executed full-spectrum application development using **Agile-Scrum methodologies**, driving daily stand-ups and sprint planning to ensure alignment with strategic goals.
* Synthesized complex business requirements to devise and innovate **Business Intelligence Solutions**, significantly improving operational intelligence and decision-making frameworks.
* Spearheaded the development of intricate **auto and property claims functionalities**, streamlining the settlement process for enhanced customer service.
* Crafted front-end components utilizing **JSP**, **HTML**, and **CSS**, focusing on creating a user-centric, engaging application experience.
* Pioneered the design and implementation of reusable UI components, promoting efficiency and consistency across the application suite.
* Enhanced system interactivity and user engagement by integrating **Ajax** to fetch data dynamically from **REST Web Services**.
* Developed and maintained robust **REST APIs**, facilitated seamless data interchange with XML and JSON, utilizing POSTMAN for thorough API testing.
* Engineered and deployed **Microservices** with **Spring Boot**, optimizing system scalability and performance on Windows platforms.
* Constructed interactive, responsive single-page applications leveraging **Ajax**, enhancing the event-driven aspects of the user interface.
* Utilized **Spring MVC**, **Spring Boot**, and **Spring Data** frameworks to build a resilient business logic layer, ensuring application robustness and scalability.
* Developed and maintained multi-tier enterprise applications using **Spring Tool Suite (STS)**, embracing best practices in software architecture.
* Implemented tools and services in both **N-tier and Microservices architecture**, applying **Spring Boot**, **Hibernate**, and **MySQL** to create responsive, data-driven applications.
* Facilitated project documentation and knowledge sharing using **Confluence** and internal wikis to maintain a cohesive development environment.
* Led build and test cycles employing **Java 8**, **Oracle**, **JBoss**, **Spring Frameworks**, **GIT**, **Jenkins**, **Maven**, **JavaScript**, **SonarQube**, **JUnit**, and **JIRA**, ensuring the delivery of high-quality software on the Windows platform.
* Advocated for best practices in testing, employing **JUnit** and **Mockito**, to ensure comprehensive test coverage and reliable code.
* Streamlined deployment processes through the implementation of **GIT CI/CD pipelines**, enhancing delivery efficiency and reducing time to market.
* Monitored application health and performance using **Splunk**, ensuring high system reliability and proactive issue resolution.
* Maintained rigorous version control and team collaboration using **GitHub**, fostering an environment of continuous integration and continuous delivery.
* Conducted thorough static and composition analysis with **SonarQube**, maintaining the highest standards of code quality and security.
* Championed the optimization of multiple services, addressing code complexities to enhance maintainability and performance.

**Technical Environment& Tools:**

**Front-end Development**: JSP, HTML, CSS, Ajax, JavaScript, **Back-end Development**: Java 1.8, J2EE, Spring Boot, Hibernate, **Database Management**: Oracle, MySQL, **API Design & Testing**: REST APIs, XML, JSON, POSTMAN, **CI/CD & Version Control**: Jenkins, GIT, GitHub, **Testing**: JUnit, Mockito, SonarQube, **Monitoring & Logging**: Splunk, **Project Management**: JIRA, Agile-Scrum methodologies, **Documentation & Collaboration**: Confluence

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