**Saida Rao**

**Sr. Java Full Stack Developer**

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**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.
* Proficient in **Agile (SCRUM), Waterfall, and Test-Driven Development (TDD**) methodologies.
* Skilled in **HTML5, CSS3, JavaScript, jQuery, Bootstrap, Angular, ReactJS,** NodeJS, Redux, Ajax, and Ext JS for responsive web design.
* Developed **Single Page Applications** using **Angular 8** and **Reactive JavaScript Library RxJS**.
* Developed using **Spring Boot, Spring Cloud**, AWS, Rabbit MQ, Kafka, and Cassandra. Implemented Microservices with **RESTful services and SOAP**.
* Extensive experience with **Spring MVC, Spring Integration, Spring DI, JDBC, Hibernate Template**, and Spring Web Service Template.
* In-depth experience in **Model View Controller (MVC2)** design and development using **Struts, Spring Framework**, and **Hibernate ORM.**
* Implemented **Web Services** based on **Service Oriented Architecture (SOA)** and monolithic architectures using **SOAP, Restful Web Services, JAX-WS, UDDI, WSDL**, and **WADL**.
* Proficient in **Servlets, JSP, EJB, JSTL, JSF, JMS**, AJAX, JDBC, JNDI, GWT, and Web Services (SOAP, REST).
* Implemented API security using OAuth2.0 with **Spring Security**.
* Strong experience in SQL, PL/SQL, **Oracle, SQL Server, DB2, MySQL, MongoDB**, Cassandra, and Mark logic, NoSQL.
* Experienced in working with **Spark eco system** using **SCALA** and **HIVE** Queries on different data formats like Text files and parquet.
* Extensively worked with **Apache Spark** for implementing advanced procedures like text analytics and processing using the in-memory computing capabilities written in **Scala**.
* Expertise in **Jenkins, Maven, Gradle**, AWS, Kubernetes, Docker, Ant, Chef, Ansible, and JUnit for build/test/deployment.
* Designing and modelling complex workflows using **Camunda BPMN** (Business Process Model and Notation) to streamline business processes.
* Focused on browser compatibility and cross-platform issues, utilizing testing frameworks like Karma, Jasmine, Jest, Mocha, Chai, Mockito, and JUnit.
* Proficient in **AWS and Azure cloud services**, including EC2, EBS, S3, VPC, ELB, RDS, and Azure Backups, Monitoring, and Site Recovery.
* Integrated Dataflow pipelines with various Google Cloud services, including **Big Query** and **Cloud Spanner** for data storage and managing structure at scale.
* Implemented **Docker and Kubernetes** for container management and orchestration.
* Experience with **WebLogic, Apache Tomcat, WebSphere**, and JBoss servers.
* Disaster Recovery and Cloud Architecture: Designed and implemented disaster recovery plans, and developed solutions for IaaS, PaaS, SaaS in cloud environments.
* Proficient in Git, and experience in setting up deployment pipelines using Jenkins.

 **Technical Skills:**

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| **Programming Languages** | C, C++, Java/J2EE, SQL, PL/SQL, PHP. |
| **Java APIs** | J2EE, EJB, Servlets, JSP, JSTL, Custom Tag Libraries, JAX-RPC, JDBC, JNDI, JMS, JAXB, JUnit, Mockito, AWT, Spring MVC, Hibernate, Spring AOP, Spring DAO, Spring Core, Spring Security, Spring REST, Spring Boot, JPA, Log4j, Apache Kafka. |
| **Scripting Languages** | JavaScript, TypeScript, jQuery |
| **Web Technologies** | HTML/HTML5, XML, CSS/CSS3, Bootstrap, JSP, Ajax, NodeJS, Express, ReactJS, AngularJS, Angular 2.0 and above |
| **Design Patterns** | Factory, Abstract Factory, Service Locator, Singleton, Decorator, Proxy, DAO, MVC, Business Delegate, Visitor, Template, Strategy, Façade |
| **Web/Application Servers** | Apache Tomcat, WebSphere, WebLogic, JBoss |
| **Cloud services**  | AWS and GCP |
| **IDE’s** | Visual Studio Code, Eclipse, NetBeans, IntelliJ, IBM RAD, WSAD |
| **Databases** | Oracle, MySQL, NoSQL, MongoDB |
| **Operating Systems** | Windows, MacOS, Unix, Linux (Ubuntu, Red Hat) |
| **Version Control** | CVS, Clear Case, SVN, GitHub, Bitbucket |
| **Testing APIs** | Junit, Mockito, Power Mockito, Postman |
| **Methodologies** | Agile, Waterfall |
| **Others Software Skills/tools used** | MS Office, Visio, Adobe Photoshop, HPALM, JIRA |
| **Build Tools** | Maven, Gradle, Ant |
| **Virtualization** | VMware Workstation, Oracle VirtualBox. |
| **Performance Monitoring Tools** | JProfiler, Rational Performance Tester, JMeter |

**PROFESSIONAL EXPERIENCE:**

**AT&T, Dallas, TX Sep 2022 - Present**

**Sr. Java Full Stack Developer**

**Project Description:** Developed a full-stack web application using Agile methodologies, focusing on responsive front-end design with Angular 8, HTML5, CSS3, and JavaScript, and robust back-end development using NodeJS, Spring Boot, and microservices. The project included upgrading from Angular 6 to 8, integrating RESTful services, and implementing containerization with Docker and Kubernetes. Additionally, cloud integration was achieved using AWS services, accompanied by comprehensive testing and CI/CD pipeline setup using Jenkins.

**Responsibilities:**

* Engaged in all SDLC phases using Agile/Scrum, focusing on requirements gathering, analysis, design, development, and testing.
* Providing technical leadership and guidance to a team of Java developers, including mentoring junior developers, conducting code reviews, and promoting best practices.
* Leading the development of Application modules, and components, ensuring adherence to coding standards, design patterns, and architectural principles.
* Front-End Development: Utilized HTML5, CSS3, JavaScript, Bootstrap, SASS, LESS, and Flex for web page design, along with Angular 8 and NodeJS for SPAs.
* Angular Implementation: Enhanced applications with new Angular components, utilized Reactive Forms, custom directives, and upgraded from Angular 6 to 8.
* Backend Development: Developed RESTful services with Node.JS, Spring Boot, and Hibernate; Implemented microservices using Spring and Spring Cloud.
* Database Management: Worked with Oracle, SQL Server, and NoSQL databases like MongoDB and Cassandra; performed ETL processes and database health checks.
* DevOps and CI/CD: Managed code deployment and version control with GIT/Bitbucket, Maven, Gradle, Jenkins; Implemented CI/CD pipelines using Jenkins.
* 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.
* Containerization and Orchestration: Experienced in Docker and Kubernetes (GKE) for container management and deployment.
* Customizing and configuring **Camunda** workflows and forms according to business requirements, including task forms, decision tables, and external task workers.
* Cloud Computing: Utilized AWS services like Lambda, S3, IAM, and Elastic Beanstalk; Transitioned to serverless architecture and moved monolithic architecture to AWS cloud.
* Testing and Quality Assurance: Conducted unit testing with Mockito and JUnit, front-end testing with Karma and Jasmine, and automation using AWS Lambda.
* Security and API Management: Secured APIs using OAuth 2.0 and Spring Security, developed adapters for cloud applications, and managed Swagger API documentation.

**Environment**: Java 8.0, Spring 4, Hibernate 4.2, Spring batch, Spring Boot, JPA, JMS, JavaScript, ReactJS, HTML5, CSS3, Eclipse, Oracle 10g, Swagger UI, Apache Camel, Log4j, JIRA, Pure XML, Cassandra, Web Services, Kafka, Microservices, SOAP UI.

**UPS, Atlanta, GA Apr 2020 - Jul 2022 Sr. Java Full Stack Developer**

**Project Description:** This project focused on agile development of a dynamic full-stack web application using HTML5, CSS3-SASS, React JS, and Node.js. It involved creating responsive interfaces, integrating Redux for state management, and developing RESTful services. Back-end development utilized Spring Boot and microservices architecture. Key features included implementing cloud services with Azure and AWS, extensive testing using Jasmine, Karma, and Postman, and CI/CD processes through Jenkins and GitLab. The application supported robust database management with SQL, Oracle, and Azure SQL Server, ensuring a comprehensive, scalable, and efficient web solution.

**Responsibilities:**

* Daily stand-up meetings and project tracking using JIRA and HP ALM to maintain an Agile/Scrum development environment.
* Front-End Development: Utilized HTML5, CSS3-SASS, React JS, and Redux for building dynamic web pages. Implemented routing with Flask and React JS, and developed reusable React JS components using JSX.
* Back-End Development: Created **RESTful APIs** with Java, JAX-RS, Jersey, Spring Boot, and Node.js. Focused on microservices architecture, transitioning from monolithic structures to more modular designs.
* Cloud Services Integration: Extensive use of **Azure** for cloud services, including Azure Logic Apps, Azure Functions, Azure Storage, Service Bus Queues, and Azure Data Factory. Implemented data solutions and batch processing with Azure Data Bricks and Azure Cosmos DB.
* Database Management: Managed databases using **Hibernate**, Mark Logic, and SQL queries with **Oracle DBMS**. Experienced in backup and restoration of Azure services and configuring Azure Virtual Networks.
* Developed **Spark Applications** by using **Scala, Java** and implemented Apache Spark data Processing project to handle data from various RDBMS and Streaming sources.
* Developed Spark Programs using **Scala and Java API’s** and performed transformations and actions on RDD’s.
* DevOps Practices: Integrated various version control tools, build tools, and deployment methodologies with **Jenkins** for end-to-end orchestration build cycles. Maintained cloud and test environments, automating QA processes.
* Developing and implementing process automation solutions using **Camunda BPMN** engine to automate manual tasks and improve operational efficiency.
* Testing and Quality Assurance: Employed Selenium for web application testing, Postman and SoapUI for API testing, and Jasmine, Karma, and Cucumber for front-end and end-to-end testing.
* Message Brokering and Asynchronous Communication: Implemented AMQP messaging on RabbitMQ and JMS messaging on Apache ActiveMQ for reliable and asynchronous data exchange.
* Version Control and Source Code Management: Administered GIT for source code management, including branch creation, merging, and label management in Stash and GIT.
* Server-Side Technologies: Developed server-side applications in PHP and Node.js, hosted on load-balanced API instances. Used Apache Maven for build and deployment processes.
* Logging and Monitoring: Configured Log4j for logging and debugging, ensuring efficient tracking and issue resolution.
* JUnit Testing: Developed JUnit test cases for persistence and business layers, enhancing code reliability and performance.

**Environment**: Java 8.0, Spring 4, Hibernate 4.2, Spring batch, Spring Boot, JPA, JavaScript, Angular 2, HTML5, CSS3, Eclipse, Drools, Node.js, JBPM, Oracle 11g, ILOG, DDD, log4j, Junit, TestNG, Selenium, EasyMock, RabbitMQ, XML, Web Services, SOAP UI.

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

**Java Full Stack Developer**

**Project Description:** This project focused on Agile development and modernization of a web application, transitioning from AngularJS to Angular2. Key activities included creating Angular2-based single-page applications, developing reusable components and services, and implementing REST API integration. The backend was enhanced using Spring MVC and microservices architecture, with testing supported by Mockito and JUnit. Additionally, the project involved deploying scalable backend solutions on AWS, including Elastic Beanstalk and RDS with MySQL/Aurora DB, and managing project tasks and documentation through JIRA.

**Responsibilities**

* Worked in an **Agile** based development environment and participated in Retrospective, Scrum session for better understanding, communication among team members.
* Involved in various phases of Software Development Life Cycles (**SDLC**) like Design, Development and testing phases, and developed Use Case diagrams, Class diagrams, and Sequence diagrams
* Implement the technical transformation for the front-end from **Angular**.**JS** to **Angular2**. Developed single page applications using **Angular2** Routers.
* Performed form validations using reactive forms from the **Angular2** framework.
* Created **Angular2** Directives, **Components**, **Pipes**, Injectable across the whole system, such as to build the custom filter.
* Created **Typescript** reusable components and services to consume **REST** API's using Component based architecture provided by **angular**.
* Developed **Angular** modules, routers and services using **typescript**.
* Implemented mock backend, in **Angular** JS using **Typescript** for testing purposes.
* Worked extensively on **AngularJS** in creating services which calls Rest API’s using **$http** and **JSON parse**.
* Created Directives, Services, Filters using **Angular JS** with **Typescript**.
* Acquired process awareness for software development and deployment.
* Deployed applications on GKE using Kubernetes, container orchestration, pod scheduling, service discovery, load balancing, and auto-scaling, to ensure high availability and scalability of applications.
* Architect Automated **Microservices** & big data ETL PAAS based on best practices.
* Implemented Java EE components using **Spring** **MVC**, **Spring** **IOC**, **Spring** **transactions** and **Spring** **security** modules.
* Used **Spring MVC**, which is radically faster in building cloud **Micro** **Services** and develop **Spring** **MVC**, based application with very less configuration.
* Analyse business requirements and develop various business delegates to integrate with middleware services like **JAX-WS, JAX-RS** using **SOAP** and **REST.**
* Implement and enhance TAF (Test Automation Framework) application to invoke **SOAP** and **Restful Web Services**.
* Implement Java EE components using **Spring** **MVC**, **Spring** **IOC**, **Spring** **transactions** and **Spring** **security** modules.
* Creation of **gitlab-ci.yml** file for kicking build process in stages that run in docker container.
* Implemented Custom Exceptions depending on the **API** Responses.
* Implemented Spring boot microservices to process the messages into the **Kafka** cluster setup.
* Implemented **BDD** through **Cucumber**. Created the **Feature Files** for Cucumber Automation.
* Developed **Mockito** and **JUnit** test cases to improve code coverage.
* Tested the performance of our API using **SoapUI, Postman,** and **JMeter**.
* Used **Jenkins** server for code monitoring during code integration phase.
* Utilize **EBS** to store persistent data and mitigate failure by using snapshots.
* Used **JIRA** as the bug tracking system to track and maintain the history of bugs/issues on everyday basis.
* Worked on creating, retrieving, updating and deleting documents in **MongoDB**.
* Implemented modular approaches for backend on AWS’s **Elastic Beanstalk** and implemented interfacing with **MySQL/Aurora DB** on AWS’s **RDS**, allowing for scalability.
* Used the AWS-CLI to suspend an AWS **Lambda**function. Used AWS CLI to automate backups of ephemeral data-stores to S3 buckets, EBS.

**Environment**: JDK 1.8, Spring, Hibernate, Spring Boot, LINUX, Maven. RESTful Web Services, Jenkins, HTML5, CSS3, Bootstrap, JavaScript, jQuery, Ajax, Node.js, MongoDB, SoapUI, Postman, API Life Cycle, JUnit, JMeter, Git, JAX-RS, JIRA, Cucumber, Kafka, Putty, Agile.

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

**Java Developer**

**Project Description:** In this Agile Scrum-based project, we focused on developing and enhancing a web application using Spring MVC. The project involved creating dynamic web pages with JSP, JavaScript, HTML, CSS, and jQuery, and making the application RESTful and thread-safe. We set up and configured the Java Workspace in Eclipse, utilized JDBC for database operations, and implemented both SOAP and RESTful web services in JSON format. XML processing was handled using JAXB with Oracle databases. The project also included comprehensive testing, requirement analysis, and the implementation of Log4j for effective logging and debugging.

**Responsibilities:**

* Involved in daily scrum meetings, worked on the sprint tasks in the **Agile** Scrum development.
* Used **Spring framework MVC** in the development of new modules based on requirements.
* Utilized various technologies like **JSP, JSTL, JavaScript, HTML,** & **CSS, jQuery**.
* Refactored existing project to make it more **RESTful** and thread safe.
* Involved in the creation of dynamic web pages with the use of **JSP** and **HTML**.
* Configured and set up Java Workspace which included setting up server and theme installation and configuration. Became familiar with using and navigating through Java Workspace (**Eclipse**).
* Debugged Java classes used to modify web pages such as **Business Objects** and **Data Access Objects**.
* Implemented **JDBC** to perform the database calls from the Java layer.
* Used **JDBC** to persist **Java Objects** into the database.
* Implemented **SOAP/RESTful** web services in **JSON** format.
* For XML marshalling and unmarshalling used **JAXB**. Worked with databases like **Oracle**.
* Tested many components of web application and documented my observations.
* Used **Servlets** as an interface between frontend and backend to handle **HTTP** requests and to send the response back to the front end.
* Participated in analysing the requirements and depicted them through use cases and scenarios.
* Participated in unit testing, integration testing and installation of the system.
* Contributed to the decision making of the software and hardware requirements and tool evaluations.
* Implemented logging for the whole application using **Log4j.**

**Environment:** Core Java, J2EE, HTML, CSS, JSP, JDBC, JSP, JavaScript, jQuery, XML, JSON, Servlets, Spring Framework, PL/SQL, Hibernate, Oracle, JAXB, RESTful, Log4j.