**Laxmi Supriya**

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**Sr. Java Full Stack Developer**

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**PROFESSIONAL SUMMARY****:**

* **9+ years of experience in delivering** enterprise solutions in conceptualizing, designing and coding technical solutions using **Java/J2EE** and **UI** technology stacks to satisfy peculiar and complex business problem statements.
* Experienced in all periods of **Software Development Life Cycle** (**SDLC**) including **Analysis**, **Designing** and **Developing**, Debugging, Support, Integration, Maintaining and **Enhancements** of **Java/J2EE** Applications.
* Working on **spring boot, Spring Rest** template to develop application level **Micro services** and Hands on contribution with **Struts, Hibernate** and JPA structures.
* Working broadly in Model View Controller (**MVC**) designing for web improving utilizing **JSF, Struts and Spring MVC,** JSP, JavaBeans and Servlets.
* Experienced in Middleware persistence frameworks like **Hibernate/JPA** Entities for mapping **Java8** classes using **Hibernate Query Language** (**HQL**), **HSQL** Named Queries, Criteria, and Projections.
* Proficient in implementation of **frameworks** like **Struts 2.x/1.x, Spring4/5, EJB3.2, JSF** and **ORM** frameworks for persistence like **Hibernate**, JPA**.**
* Expertise in Front-End Developing using **Angular6/7, Node JS, React JS, Backbone JS,** Perl, Groovy, JavaScript**, Express-JS,** j Query, Jasmine, Ext-JS, Grunt, AJAX, XML, JSON, XSLT, CSS3, HTML5, XHTML, Bootstrap**.**
* Strong experience in Front-End UI developing skills using scripting languages like **HTML5, DHTML, CSS, JavaScript, JSON, AJAX, Angular JS,** Bootstrap, j Query with Standard Validations.
* Extensive experience in **Java, J2EE** technologies such as Servlets, JSP, Struts, **Spring, Hibernate**, Swings, Applets, JSF, EJB, JPA, RMI, JMS, JNDI, Ibatis, Web Services, JMS, JSTL, JDBC, Multi-Threading etc**.**
* Designing and creating business applications utilizing JSP, Servlet, EJB, JSF, JMS, JDBC, Spring, Struts**, Hibernate, SOAP and REST API** administrations.
* Strong knowledge of **Google Cloud** application security models, protocols and tools like AWS IAM, AWS KMS policy, Microsoft **Azure AD**, Google Cloud
* Extensively using **Jenkins** as Continuous Integration tools to deploying the Spring Boot Micro services to **Pivotal Cloud Foundry** (**PCF**) using building pack.
* Experience in creating **Docker** Containers leveraging existing Linux Containers and AMI's in addition to creating Docker Containers from scratch.
* Designed and developed **Quarkus**-based applications-based Spring Framework, Spring MVC, SpringTemplates, and hibernate.
* Possessing good interpersonal skills appl **Kubernetes** in coordinating various teams like developing team, QA team and support team as required.
* **Quarkus** is a modern framework for developing cloud native “**serverless**” ready apps. **Quarkus** is **JavaEE** based.
* Extensively working on **XML** technologies like **XML**, **XSL, XSD, XSLT, XQuery, XPath** and **DTD** in Using a **Micro service** architecture, with **Spring Boot-**based services interacting through **REST** and **Apache Kafka**.
* Experience in bash and **Python** scripting with focus on DevOps tools, **CI/CD and AWS** Cloud Architecture configuring and deploying the applications into **Tomcat, Nginx, Web Sphere, Web Logic** and **J boss.**
* Enough Knowledge of Data Access Object (**DAO**) case to display a reflection layer between the Business reason level (Business address) and the Persistent stockpiling level (data source).
* Used **Quarkus**, and Spring Core Annotations for Dependency Injection and **Spring Boot** for microservices
* Experience in implementing **J2EE** designing patterns such as **MVC,** Singleton, Factory, Adapter, Service Locator Session Facade, DAO, DTO, and **Business Delegating** in the developing of Applications.
* Hands on enough experience in developing building tools like **Maven** at **SQL**/**No SQL** databases systems like **Sybase, Oracle, SQL Server, MySQL, DB2, Mongo DB** using mechanical assemblies like **SQL Navigator, Toad for performing SQL and PL/SQL programming**.
* Proficient in composing and taking care of **SQL Queries, PL/SQL**, Storing Procedures and Triggers measure of involving in **J2EE** Testing in creating experiments with J Unit for Unit testing, and logging utilizing **Log4j.**
* Experienced working in conditions utilizing **Agile** (**SCRUM**) and **Waterfall** improving philosophies sent **Amazon Web Services (AWS**) for a substantial number of uses using the Amazon cloud arranging.
* Experienced in Developing, testing and deploying of enterprise applications on Windows & UNIX platforms using **IDEs** such as **Eclipse, Rational Application Developer (RAD), Net Beans, and IntelliJ**.

**TECHNOLOGIES:**

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| **Programming Languages** | C, C++, Java 1.5/1.7/1.8, J2EE, Python3.6.0, SQL server2012/2014, PL/SQL. |
| **Web Technologies** | HTML5, CSS3, JavaScript, jQuery, AJAX, Angular 6/7, AngularJS, CI/CD, NodeJS, Bootstrap, Swagger, JSON. |
| **Databases** | Oracle 9i/10g/11g/12c, SQL Server, MySQL, Mongo DB. |
| **J2EE Technologies** | Servlets, Struts, EJB 2.0, JSF, JDBC, JSTL, JNDI, JMS, RMI, Java Bean, JTA. |
| **Web Services** | JAX-WS (SOAP), JAX-RS (REST, Rest API), WSDL. |
| **Application Frameworks** | Struts 1.x/2.x, Spring 4/5, Spring MVC, Spring Security, Spring Boot, Spring Batch, Spring ORM. |
| **ORM Framework** | Hibernate, JPA, DAO, Spring JPA. |
| **XML** | XML, DTD, XSL, XSLT, XHTML, XML Schema and DOM Parsers. |
| **AWS** | EC2, RDS, S3, ELB, EBS, Lambda. |
| **Web/Application Servers** | Apache Tomcat 6.0, Apache Kafka, IBM Web Sphere 8, Oracle Web Logic, J Boss 4.0. |
| **Version Control** | IBM Clear Case 7.0, 7.1, SVN, CVS, Git. |
| **IDE** | Eclipse, My Eclipse, Edit Plus, Net Beans 7.0, Visual Studios. |
| **UML tools/ Build tools** | Apache ANT, Maven, Jenkins, J Unit, Jira, Dreamweaver, Rational Rose, Google Cloud, PCF, Docker, Kubernetes, UML, Selenium. |
| **Design Methodologies** | Agile, Scrum, UML, J2EE Design Patterns. |

**PROJECT EXPERIENCE:**

**Wells Fargo, Charlotte NC Apr 2022 to Till Date**

**Role: Senior Software Engineer**

**Project Description:** During my tenure at Wells Fargo, I dedicated considerable effort to developing sophisticated internal applications, such as a comprehensive messaging tool. This project allowed me to delve deeply into the intricacies of the Spring framework, showcasing my commitment to mastering its capabilities. My focus has always been on crafting dynamic, user-friendly interfaces, a goal I achieved by leveraging my expertise in Thymeleaf, Bootstrap, HTML, CSS, JavaScript, and TypeScript. One notable project was my contribution to an internal tool, ServiceNow, where I developed a crucial component for validating and creating change requests. Security has been a paramount concern throughout my work. I've refined my skills in Spring Security and OAuth2 authentication, placing a strong emphasis on meticulous API design and thorough testing. This holistic approach to application development underscores my dedication to not only meeting but exceeding the stringent security and usability standards of our financial applications.

**Responsibilities:**

* Developed a web-based internal messaging tool utilizing the Spring framework, incorporating modules like **IOC, MVC, AOP, Data, Boot,** and **Cloud Gateway** for a scalable and robust application.
* Expert in leveraging Spring Framework's inversion of control (**IoC**) and aspect-oriented programming to develop loosely coupled components.
* Demonstrated proficiency in supporting and developing applications across a wide spectrum of Java technologies including **J2EE, EJB, JDBC, Servlets, JSP, Struts, JSF,** and the extensive Spring suite **(IOC, MVC, AOP, Data, Boot, Cloud Gateway**). Skilled in both front-end and back-end development, utilizing **XML**, **DHTML**, **JMS**, and advanced Web Services (**SOAP, REST**), ensuring the delivery of robust and scalable software solutions.
* Developed efficient data access layers using **JDBC**, integrating seamlessly with **MySQL** databases.
* Expert in employing a variety of Java-based frameworks and tools such as **Hibernate**, **JMS**, and **AJAX**, with a strong focus on **XML** technologies (**XSD, XSL**) and Java networking (**JNDI**).
* Implemented Spring's resource handler with **Spring Security,** enhancing validation of incoming requests for change requests and ensuring authorized access.
* Utilized **Spring MVC's** advanced filtering techniques for rigorous user request scrutiny, enhancing application change management security.
* Integrated **Spring's OAuth2** authentication with the **resource handler** for stringent access control and validation, ensuring system security.
* Designed and developed robust APIs, ensuring efficient data exchange and integration between different software components and external services.
* Focused on creating **RESTful APIs,** adhering to best practices in REST API design for scalability, security, and ease of use.
* Implemented comprehensive API authentication and authorization mechanisms, such as **OAuth2**, to secure sensitive data and services.
* Conducted unit tests, integration tests, and end-to-end tests to validate chatbot functionality, including NLU accuracy, conversation flow logic, and backend integrations
* Utilized **Swagger and Open API** specifications for documenting APIs, providing clear and interactive documentation for ease of understanding and usage by developers.
* Employed **Thyme leaf for handling form data and backend service integrati**on, crucial for implementing file sharing and search functionality.
* Developed responsive messaging templates and custom UI components using a blend of **HTML, CSS, Bootstrap, and JavaScript.**
* Managed Kafka infrastructure including the creation of Kafka topics and Zookeeper instances to facilitate data streaming
* Created and managed Cloud Storage buckets using the GCP Console, CLI (Command-Line Interface), or API
* Led the execution of advanced **API testing strategies**, including **mock tests**, which resulted in a significant 30% reduction in critical bugs, thereby boosting overall API reliability and performance.
* Oversaw the management and optimization **of Unix-based servers**, with a specific focus on **Ubuntu** distributions, ensuring efficient configurations, deployments, and routine system updates.
* Directed strategic optimizations of **AWS EC2**, achieving a notable reduction in maintenance costs, effectively contributing to substantial company-wide expense savings.
* Experience in writing and managing stored procedures and functions in **MySQL**.
* Utilized **Gradle 8** as the build tool for the application to manage dependencies and streamline the build process.
* Expert in the implementation of **agile methodologies**, test-driven development, and the **scrum framework,** significantly enhancing the efficiency and effectiveness of the software development lifecycle.
* Orchestrated the integration **of Spring and Hibernate frameworks** to architect and develop a robust, end-to-end application, utilizing advanced **J2EE** and enterprise design patterns for optimal system architecture.
* Utilized **Swagger** for comprehensive API testing, ensuring efficient validation of API functionality and integration across services.
* Integrated security mechanisms like SSL/TLS encryption and authentication for secure database communication
* Conducted extensive **local environment testing** to identify and resolve bugs, ensuring stable and high-quality application builds.
* Managed **multi-environment application deployments**, overseeing build integrity and error resolution for flawless functionality.
* Created and managed Jenkins pipelines for an efficient **CI/CD** process, streamlining software delivery and deployment.
* Uploaded, downloaded, and managed objects within Cloud Storage buckets using various methods, including the GCP Console, gsutil CLI, and Cloud Storage Client Libraries.
* Provisioned and managed scalable Azure cloud infrastructures using Azure Resource Manager (ARM) templates and Azure CLI, optimizing costs and ensuring high availability and disaster recovery capabilities.
* Configured Azure DevOps pipelines for automating builds, tests, and deployments, achieving a streamlined development lifecycle and faster time-to-market for new features.
* Established and **managed alerting mechanisms** post-builds and deployments, quickly identifying and addressing operational issues using Alerting tools like Troubleshoot business and production support issues using monitoring and alerting tools like **Splunk, Pager duty and Medusa.**

**Environment:** Java 8, J2EE, Spring 5.0, Spring Boot, Spring MVC, REST, REST API, SOAP, Quarkus, Micro Services, AWS, Spring Data, STS, Hibernate, HTML5, CSS3, Kafka, Mongo DB, Angular JS, PCF, Angular 7.0, Node JS, J Query, Apache Tomcat, XML, HTML.

**Spirit, San Antonio TX Nov 2020 to Mar 2022**

**Role: Sr. Java Full stack developer**

**Responsibilities:**

* Experience in Analysis, Design, Development and Testing of the application using agile methodology.
* Used core java to develop the business logic, its development by using **J2EE technologies** like **Servlets, JDBC, JSP, Spring, Spring Batch, Spring Cloud, Spring Boot** with **micro services** and other technologies.
* Building cloud based **RESTful Web services** using Java 8 following Service Oriented Architecture (via SOA Service Registry).
* Created the **Azure Functions** using **JAVA** that receives the inputs from the service calls and performs the database interactions.
* Proficient in configuring and managing infrastructure on AWS using **Infrastructure as Code (IaC)** tools like **AWS** **CloudFormation** and **Terraform**, enabling the provisioning and management of resources in a repeatable and automated manner.
* Experience working with **PCF** (Pivotal Cloud Foundry) for deploying, scaling, and managing cloud-native applications in a highly available and scalable manner, leveraging features like **containerization** and **auto**-**scaling**.
* Knowledge of **Concourse** as a continuous integration and continuous delivery (**CI/CD**) tool, enabling streamlined and automated software release processes, including building, testing, and deploying applications.
* Developed Single Page Applications using **Angular 8 framework, JavaScript, HTML, CSS, Java 1.8, Spring Boot.**
* Extensively worked in writing minimal code in building re-usable forms with their validations using **REACT** with **Redux Architecture**.
* Implemented AI-driven recommendations systems for personalized content delivery, product recommendations, and user behavior analysis using collaborative filtering, content-based filtering, or hybrid approaches
* Managed and maintained application's configuration properties using **CCM** which varies on multiple levels depending on clouds, environments, tenants, verticals.
* Used Multiple view technologies such as **GWT, XML, XSLT, Free Marker** and **Velocity**
* Developed interactive web application using **Node JS** a pure java script application framework.
* Responsible for unit, functional, integration, automation backend API's testing for all new software features and enhancements using **JUnit** and **TestNG framework**.
* Performed Restful routing using node.js. Redesigned Angular 2 to Angular 8 component structure Worked with **KAFKA Zookeeper** for managing the cluster with broker/cluster technology

**Environment:** Java 8, J2EE, Spring 5.0, Spring Boot, Spring MVC, REST, REST API, SOAP, Quarkus,Micro Services, AWS, Spring Data, STS, Hibernate, HTML5, CSS3, Kafka, Mongo DB, Angular JS, PCF, Angular 7.0, Node JS, J Query, Apache Tomcat, XML, HTML

**Bank Of America, Charlotte NC Feb 2019 to Nov 2020**

**Role: Full stack developer**

**Responsibilities:**

* Involved in the design and development of application using **Agile Scrum Methodology**.
* Coordinate with Business Analysts and offshore team during design, development and testing phases.
* Using **Azure** Functions to integrate applications and run backend processes according to schedules without provisioning/managing servers.
* Developed various screens for the front end using **ReactJS** and used various predefined components from **NPM** (Node Package Manager).
* Development of company's internal CI system, providing a comprehensive API for **CI/CD.**
* Identify the root cause of the issues reported by customers and provide a fix for the bug.
* Developed application in **Spring framework** by utilizing its features like Spring Dependency injection (Spring IO), Spring JDBC, Spring Security and Spring Boot.
* Developed single page application using **AngularJS, NodeJS, ExpressJS** and **MongoDB** with ng-view directive.
* Web pack module bundler and **Babel JavaScript** compiler are used accompanying **React JS**.
* Experience in working with Micro Services in a spring boot application.
* Used Maven to build and deploy the application and used Jenkins as Continuous Integration platform **(CI/CD)** to setup the automated builds.
* Designed **REST APIs** using **Swagger**.
* Used Git for source Version Control, resolving code conflicts and merging code base
* Deployed the application in on-premise and preparation of technical design documents.
* Development web service using Windows Communication Foundation and **.Net** to receive and process **XML** files and deploy on Cloud Service on Microsoft Azure.
* Experience in Designing and building dynamic and user interactive websites using, AngularJS.
* Prepare and verify the unit test case and unit test report for developed interface module.
* Involved in peer and moderator reviews to get the code merged into production.
* Developed unit test cases using **J Unit** and used **Log4J** for logging and debugging **MySQL** as backend database and involved in development of Stored Procedures.
* Used **SVN** as a version control to track and maintain the different version of the project **Maven** scripts to build and deploy the application.

**Environment:** Java 7, J2EE, Spring 4.x, Spring MVC, Spring Boot, Hibernate, XML, XSL, Micro services, Angular JS, Angular6, SOAP, REST, REST API, Google Cloud, Kubernetes, Azure, Bootstrap, JavaScript, HTML, CSS, Ajax, Tomcat 8.0, JPA, Git, Groovy, JMS, Soap UI, Test NG, JSON, Ant, Log4j.

**Aetna, AR Apr 2017 to Jan 2019**

**Role: Java Full stack developer**

**Responsibilities:**

* Hands on experience in Amazon Web Services (**AWS**) provisioning and good knowledge of AWS services like **EC2, S3, Glacier, ELB (Load Balancers), RDS, SNS, SWF,** and **EBS** etc.
* Install and **configure DHCP, DNS (BIND, MS), web (Apache, IIS), Mail (SMTP, IMAP, POP3),** and **file servers on SUSE** and **Linux servers.**
* Managed **Unix/Linux** servers, including installation, configuration, and maintenance, ensuring high availability and performance.
* Developed critical components of the application including **Spring forms, Spring controllers, JSP views, and business logic and data logic** components that include **Hibernate Entities, Spring-Hibernate DAO** and **Spring models** following **MVC architecture**
* Developed single page applications using **Angular 6.**
* Migrating the existing project to Microsoft Azure with Azure services.
* Using **Cloud Trail, Cloud Passage, Check Marx, Qualys Scan tools for AWS security** and **scanning**.
* Experience in working with **Python** Packages such as **NumPy, SciPy, pytables** etc.
* Able to create scripts for system administration and AWS using languages such as **BASH** and **Python**.
* Scalable Web Architecture based **AWS Cassandra in Python Linux OS** for **High I/O GPS Application DevOps.**
* Working in team of Architects and Developers to build and deploy Python Flask Peewee Linux AWS.
* Creating Database driven web apps in **Python**, **JSON**, **PostgreSQL, Cassandra, Flask, Peewee, ORM, WSGI, Werkzeug.**
* Worked Extensively with Angular CLI for creating components, Services, pipes, Directives
* Created the **AWS** VPC network for the Installed Instances and configured the Security Groups and Elastic IPs accordingly.
* Designed and developed custom Elastic search Java based wrapper client using the "**Jest**" API.
* Monitored **RDS** instances and **Elastic Load Balancer** for performance and availability creating builds using power shell Scripts, Maven scripts manually and automated.
* Debugged build failures and worked with developers and **QA** personnel to resolve related issues.
* Hands on experience in monitoring **EC2** instances using **Nagios**.
* Configured Apache webserver in **the Linux AWS Cloud environment using Puppet automation.**
* **GIT** administrationlike providing access for branchesand **GIT repositories**.
* Experience on several Docker components like **Docker** Engine, **Hub**, **Machine**, **Compose** and **Registry**.
* Setting up the build and deployment automation for Java base project by using **JENKINS** and **Maven**.
* Test automation for web application (SWAP module) using **Cucumber**.
* Good at performing Smoke Testing, Functional Testing, Integration Testing, System Testing and Regression Testing.
* Used **SVN** as version control across common source code used by developers.

**Environment:**Java, J2EE, JSP, REST, REST API, SOAP, Spring, Spring MVC, Hibernate, Maven, JavaScript, HTML, XML, AJAX, RAD, Web sphere, PL/SQL, Oracle, Windows, Clear case.

**NAL SUMM**

**Parexel, Hyderabad, India Aug 2014 to Mar 2017**

**Role: Java developer**

**Responsibilities:**

* Implemented the business logic to process transactions for rule evaluation under the generated stubs/**POJO's**.
* Implemented Persistent layer using Hibernate API.
* Actively involved in requirements gathering, Analysis, Conceptual Design while upgrading the project on **Spring framework**
* Integrated Hibernate with spring business components using **Hibernate** Template.
* Created **JUnit** test scripts to unit test the code flow.
* Testing and **bug fixing** to reach the end-to-end flow.
* Contribute in all phases of the development life cycle
* Write well designed, testable, efficient code
* Ensure designs are in compliance with specifications
* Support continuous improvement by investigating alternatives and technologies and presenting these for architectural review
* Fixing the defect items and related developments and involved in Development of **RESTful** Web services.
* Document preparation and produce releases of software components

**Environment:**Spring Framework, Business Logic Implementation, Hibernate API, Hibernate Template, JUnit, Maven Development Life Cycle, RESTful Web Services, Software Documentation, Code Efficiency, Architectural Review, Defect Fixing.