Vamshi Krishna

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**Profile:** Over 9 years of experience in software development, analysis, design, coding, deployment and production support of highly scalable, transactional, object oriented multi-tier internet, intranet , web services , E-commerce, health and pharmacy insurance applications.

**Professional Summary:**

* Proficiency in following SDLC programming, which includes involving in Requirements gathering, Analysis, designing Technical Design Document (TDD).
* Designed and  coded application  components  in  an Agile  environment  utilizing a  test  driven development (TDD) approach.
* **J2EE Design Patterns:** Good experience in using Java/J2EE design patterns such as Data Access Object, Session Façade, Singleton pattern.
* Experience with various opensource frameworks like **NodeJS and AngularJS**.
* Extensively developed Rich Internet Applications and various UI widgets using jQuery.
* **External Services/Application Communications:** JMS (IBM MQ, Queues, Queue Connection Factory, Topic), **Webservices** (JAX-WS, JAX-RPC, SOAP, WSDL).
* **XML:** XML related technologies XML, XSL, XSLT and validations with DTD & XML Schema, parsing XML using SAX, DOM Parsers and JAXB.
* Excellent Experience in using **Spring Framework** (IOC, MVC, AOP, DAO, Transactions), **Hibernate** (HQL, Session, HibernateDaoSupport) and **Caching Services**.
* **Persistence Frameworks:** Hibernate, JPA and Native CRUD operations.
* **Application/Production/Environment Support:** Expertise in configuring and deploying the large-scale enterprise Applications in the **IBM Websphere, Openshift and AWS**.
* **Database:** Experience in DB2, Oracle, MongoDB, SQL Server and well versed in writing SQL queries, stored procedures, and Triggers.
* **Testing Frameworks :** JUnit and Mockito.
* Very good experience in writingANT Script, DB Script and Gradle Script.
* **Version Control:** Expertise working with various version controls tools likes Sub version (SVN) and GIT Lab.

**Education:**

* Bachelors of technology in Computer Science VBIT, Hyderabad- India.
* Masters of Computer Science Oklahoma Christian University, Oklahoma, USA.

**Technical Skills:**

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| Internet Technologies/Frameworks | Java, J2EE (EJB, JMS), Web Services (JAXB, JAXP, SOAP, JAX-RPC, WSDL, SOA, UDDI), JSF, Struts, Spring, Spring MVC, Hibernate, IBM MQ Series, log4j, Xml, Xslt, Dom, Soap, REST, Ajax, Java Script, DHTML, Angular. |
| Version Control/QA Tools | SVN, CVS,GIT |
| Middle-ware | J2EE , IBM Message Queue, Apache Active MQ, RabbitMQ. |
| Design Patterns | Singleton, MVC, Front Controller, Session Façade, Data Access Object. |
| SOA | Web Services, SOAP, WSDL. |
| Application Servers/Web Container/ Emulator | JBoss, Tomcat, Oracle Weblogic 10, IBM Websphere, AWS. |
| Databases | Oracle, DB2, MS SQL Server, MySQL, MongoDB, PostgreSQL. |
| Operating Systems | Windows – XP/7/8/10, IOS. |
| Languages/Test Driven: | UML, SQL, Stored Procedure, JUnit, Mockito. |
| IDE | Intellij, STS, Eclipse, IBM Rational Application Developer(RAD). |
| Methodologies | Agile Scrum. |
| Persistence Framework | Hibernate, JPA and JDBC. |
| Tools | RAD, MS Visual Studio, TOAD, MS Office Suite, MS Project. |
| Build tool | Ant, Maven, Jenkins, GRADLE. |

**Professional Experience:**

**Client**

**Florida Blue, Jacksonville, FL**

**Sr Java Full Stack Developer Feb 2022-Till Date**

**Find Care:**

Find Care team is responsible for handling online provider directory for Florida blue members, which contains nearby providers online and offline. This directory contains Florida Blue provider details, including information about the closest providers based on their areas of specialization and member zipcode.

**Roles & Responsibilities:**

* Developed **RESTful** APIs using the **Spring** framework and implemented Spring REST endpoints to handle CRUD operations.
* Experience in developing **Microservices** using **Spring Boot, Netflix OSS (Zuul, Eureka, Ribbon, Hystrix**).
* Created reusable, custom and testable **Angular 12** modules, controllers, directives and services to implement key functionalities.
* Used **Angular 12,** HTML5, CSS, BootStrap, Javascript to create Single Page Applications(SPA).
* Worked on advanced of spring cloud services like **spring cloud bus**, **spring cloud sleuth** and **Feign** clients for rest service calls
* Integrated multiple micro-services with **RabbitMQ** and integrated **RabbitMQ** with **Zipkin** dashboard for tracking requests between micro-services.
* Created API documentation using **Swagger**, providing clear insights into endpoints, request/response formats, and authentication requirements.
* Incorporated security measures such, as **OAuth 2.0** and **JWT** to guarantee the safety of accessing **REST** endpoints.
* Implemented unit tests using **JUnit** and Integrated testing frameworks like **Mockito** to facilitate mock testing of external dependencies, enabling isolated testing of service components.
* Integrated applications with CI/CD pipelines (**Jenkins**) for automated building, testing, and deployment of Spring applications.
* Employed **AOP** to encapsulate **cross-cutting** concerns like auditing, validation, and data transformation, improving code organization.
* Deployed and developed a Spring Boot project using AWS **EC2**, **S3**, **Elasticsearch** and **Lambda**. Utilized Amazon **DynamoDB** as a **NoSQL** database for fast and scalable data storage.
* Implemented CI/CD pipelines for seamless deployment of containerized applications on **EKS** and **ECS**. Utilized **CloudWatch** Logs Insights for advanced log analysis and pattern detection.
* Created **Docker** containers to package and deploy applications consistently across different environments.
* Designed **Kafka** **topics**, **producers**, and **consumers** to handle large volumes of data efficiently.

**Environment**: JAVA, J2EE, XML, Java Micro Services, Jenkins, Maven, Gradle, JAXB, JSON, SOAP.

**Open Source Frameworks:** Spring MVC, Spring Data, Spring Boot, Hibernate, JPA, Node JS, JQuery, ExpressJS, Webservices (SOAP, REST), Log4J, JUnit 3.8, Mockito.

**IDE**: Intellij, TOAD for DB2,pgAdmin, MongoDB Compass, SQL studio.

**Database**: IBM DB2, MongoDB, PostgreSQL, Oracle SQL.

**Version Control /QA / Performance tool:** Subversion, GIT Lab.

**Application Server:** Apache Tomcat, Websphere Application Server.

**Client**

**Express Scripts, Franklin Lakes, NJ.**

**Sr Java Full Stack Developer June 2021 – Jan 2022**

**RulesRx:**

RulesRx is pharma claim validation application which holds rules for validating user based on prescription and plan type assigned to the user. RulesRx is the central application which process validation once the user uses his Express Script pharma insurance.

**Roles & Responsibilities:**

* Increased code coverage to 80% for existing code base of more than 70k lines using **Junit5**, **Mockito**, **JaCoCo** and **Sonarqube**.
* Configured application to allow **JPA** entities, Spring transactional annotation on DAOs and entityManager with Hibernate as JPA Vendor implementation
* Written multiple classes and methods using latest Java 1.8 features such as Lambda Expressions, Method references, Functional Interfaces.
* Worked on development and implementation of the **MVC** Architectural pattern using **Spring Framework**.
* Integrated **RESTful** APIs and services into **Angular** applications, ensuring efficient data retrieval and updates.
* Monitored API performance and tracked usage using **AWS CloudWatch** and integrated custom logging for detailed analytics.
* Utilized **AWS Fargate** with **ECS** for serverless container deployments, reducing operational overhead.
* Implemented stream processing applications with **Kafka** Streams for data transformations and analytics.
* Integrated **SQS** with **S3** for event-driven data processing workflows.
* Orchestrated containers using **Docker** Compose for local development and testing.
* Developed batch processing applications using **Spring Batch**, handling large-scale data processing tasks.
* Worked with different database dialects, including **PostgreSQL**, **MySQL**, and **Oracle**, ensuring cross-database compatibility. Utilized **JPA** annotations to define entity classes, relationships, and mappings between Java objects and database tables.
* Wrote **JUnit** test cases to cover a wide range of scenarios, including edge cases and error handling.
* Integrated **PostgreSQL** with Java applications using **JDBC** and **Spring Data JPA**.

**Environment**: JAVA, J2EE, Java Micro Services, Jenkins, Springboot, Maven, Gradle , JAXB, JSON, REST, SOAP.

**Open Source Frameworks:** Gradle, Spring, Webservices (SOAP, REST), Angular 12, Log4J, JUnit, Mockito.

**IDE**: JetBrains IntelliJ, POSTGRESQL, SQL Postman, SOAP UI.

**Database**: POSTGRESQL

**Version Control /QA / Performance tool:** GIT Lab, SOAPUI Pro.

**Application Server:** Spring Boot, PCF, AWS.

**Client**

**Florida Blue, Jacksonville, FL.**

**Sr Java Backend developer Feb 2018 – June 2021**

**EnrollPoint:**

**Roles and Responsibilities:** DevelopBusiness/Service layer, design and construct Webservices, Design and develop web UI. Process messages from Messaging Queue, Application Assembler, Internal and External System Integration Developer, Deployment and Production Support.

* Designed and developed **REST** based Webservices and consumed rest services using **Swagger** UI.
* Extensively worked on **Java Collections** in writing the core logic and wrote several core java classes for the core business implementation.
* Designed and developed generic spring beans that can be injected using **Spring IOC** framework and reused across the application.
* Webservice**:** Implemented Restful APIs, to support external and internal applications.
* Secured the REST services using **Spring Security** and **OAUTH** framework and created documented REST services using Swagger and Jersey. Used Spring Boot interceptors for validating and logging incoming rest calls.
* Worked extensively on Java 8 features like **Lamda** expressions, **Streams**, **Predicates**.
* Have good level of experience in writing asynchronous call **JavaScript** functions.
* Developed the project by using **Spring Web MVC** module with Implemented the project using Spring 5.0 Framework (MVC, AOP, Spring JPA, Spring Rest, Spring Batch, Spring Security with OAuth 2.0) and Microservices using Spring boot 2.0.
* Worked with **Microservices** architecture using Rest APIs, spring boot.
* Worked on advanced of spring cloud services like **spring cloud bus**, **spring cloud sleuth** and **Feign** clients for rest service calls
* Configured multiple **Dockerfile’s** and **Docker-Compose.yml** files for configuring multiple services as part of **docker** build.
* Created Jenkins pipeline and integrated source code with **SonarQube** static code analysis tool for code analysis.
* Implemented REST based **Microservices** using **Spring Boot** that were deployed on **OpenShift**.
* Configured build and deploy templates in **Openshift** that allows **Kubernetes** to handle creation of pods, deploy containers into those **pods,** expose **Service and Route** objects and auto scale the application on demand.
* Leveraged library (internal to Florida Blue) to create application images and publish to internal **Docker** registry using **S2I strategy** available in **OpenShift.**
* Extensively worked on springboot application with **Mockito** usedannotations like @Mock, @Injectmocks, @Runwith etc,.
* Worked on advanced **JUnit**-5 for unit testing.

**Environment**: JAVA, J2EE, XML, Java Micro Services, Jenkins, Maven, Gradle, JAXB, JSON, SOAP.

**Open Source Frameworks:** Spring MVC, Spring AOP, Spring Data, Web Services(SOAP, REST), Log4J, JUnit 3.8.

**IDE**: Eclipse Oxygen, RAD, IntelliJ.

**Database**: IBM DB2, PostgreSQL, MongoDB.

**Version Control /QA / Performance tool:** Subversion, GIT Lab.

**Application Server:** IBM Websphere Application Server, Spring Boot.

**Client:**

**CVS Pharmacy, Cumberland RI Sep 2016 – Feb 2018**

**Associate Java Developer.**

CVS health is retail pharmacy and health care Company over 9,600 branches in the United States. This present system is implemented using Java/J2EE and it is built on service oriented architecture. This system provides services to pharmacy store managers, pharmacists, existing and new customers. We have built Prescription Management System where an existing customer can log into his account and can order medicines, choose in store pick up or home delivery, check prescription history, medicine prices, discounts and can setup email and text alerts. And also, this facilitates store managers and pharmacists regarding stock and shortage medicines in the store and can check existing or new customers to their store.

**Roles and Responsibilities:**

* Designed and developed generic spring beans that can be injected using spring IOC framework and reused across the application.
* **Webservice:** Implemented SOAP and RESTFULL APIs, to support external and internal applications.
* Developed and provided common Service to integrate the transmission of business generated exceptions to workflow management system (**SEM**).
* Designed and developed common logging service using Java CDI and **Log4j** to log the information into the data base.
* Used Spring ORM to integrate with **Hibernate**.
* Integrated Spring Security, SAML 2.0 and OAuth for single sign on for a different audience. Implemented java **Future** concept for parallel processing of multiple external Webservice calls.
* Created a standard-compliant OAuth 2.0 implementation from scratch to interface with our user database and provide authorization to application APIs as well as to remote file storage servers.
* Used Spring **AOP** for cross cutting concerns like logging, security, transaction management.
* Responsible for creating efficient design and developing User Interaction screens using HTML5, CSS3, JavaScript, AJAX and JSON.
* Webservice Consumption**:** Consumed SOAP and RESTFULL based internal services. Consumed SOAP 1.2 protocol with MTOM content type.
* Worked on CSS3 and Html5 manipulated UI values using DOM properties.
* Built client side app with **NodeJS** development server for assets and proxying API requests.
* Worked on advanced JavaScript concepts like **call backs**, **Arrays high order functions, arrow functions, Blocks and Immediately invoked function Expressions(IIFE).**
* Used Spring IOC for dependency injection.
* Designed, developed and maintained the data layer using Hibernate.
* Used **Amazon Elastic search service** for application monitoring and full text search.
* Used GWT andAWS (**EC2**/**S3**/**EBS**) for prototyping and subsequent evaluation.

**Environment**: JAVA, J2EE, XML, JAXB, Swagger, JSON and Agile.

**Open Source Frameworks:** Spring 3.3 (IOC, AOP, DAO and Security), Apache Maven, Apache APIs, Webservices (SOAP, REST Jersey implementation), Log4J,and JUnit 3.8, Swagger, Jersey.

**IDE**: Eclipse Kepler, XML Spy, DB Visualizer.

**Database**: DB2, MongoDB

**Version Control /QA / Performance tool:** Subversion, GitLab.

**Application Server:** WebLogic 10(SOAP based) and WebLogic 11G (REST full), Tomcat.

**Client:**

**Ceva Logistics, Hyderabad, India**

**Java JR developer. June 2013- July 2015.**

Ceva logistics maintains contract logistics for many sectors which includes automotives, energy, health care, industrial and automotives.

**Roles and Responsibilities:**

* Creating web front using JSP, integrating AJAX and JavaScript coding that provide a rich browser based user interface.
* Developed all the modules with MVC Architecture using **Struts,** Swing, JSP, Session Bean, Hibernate and DAO with helper classes
* Developed EJB Components, which encapsulate business logic and build up the model for the system.
* **Struts** framework is used for implementation of middle layer that communicates to session bean for business logic. Developed DAO’s for communicating to the database
* Developed web Components using JSP, Servlets and Server side components using PLSQL(Stored Procedures) under J2EE Environment.
* Worked on migration of Struts framework based application to Spring Application.
* Used JavaScript, CSS, Html for UI development.
* Used Java Server Pages and Servlets technology to process the client requests at server side and to send back the responses.
* Worked oracle, SQL, MYSQL server.
* Wrote stored procedures, functions and **PL/SQL** scripts in SQL/Oracle.
* Used CVS and GIT for version control.
* Written test cases and done unit testing.

**Environment**: JAVA, J2EE, XML, JAXB, Swagger, JSON and Agile.

**Open Source Frameworks:** Spring 3.3 (IOC, AOP, DAO and Security), Apache Maven, Apache APIs, Webservices (SOAP, REST Jersey implementation), Log4J,and JUnit 3.8, Swagger, Jersey.

**IDE**: Eclipse Kepler.

**Database**: DB2, MYSQL.

**Version Control /QA / Performance tool:** Subversion, Git.

**Application Server:** WebLogic 10(SOAP based) , Tomcat.