**Vamsi P**

**Sr. Java Full Stack Developer**

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**Professional Summary:**

* **8+ Years** of software industry experience in Object Oriented technologies on client server, multi-tier applications and Web technologies with **Java/J2EE technologies** involving System Analysis, Technical Architecture, Design, Development, Testing and Implementation.
* Experience in all phases of **Software development life cycle** (SDLC) and have rich experience working with software development methodologies (Agile, TDD and Waterfall).
* Good understanding in implementing **design patterns** such as Singleton, Factory, MVC, Business Delegate, Session Facade and DAO.
* Strong experience developing J2EE applications, Enterprise Applications using **Java, J2EE, Spring 3.2/4.0 Framework, Hibernate 4.0, PL/SQL, Web Services (SOAP and RESTFUL) and Junit Testing.**
* Development experience with **Core Java** such as IO, Multithreading, Collections, Exception handling, Networking.
* Hands-on experience in different modules of **Spring Framework’s Spring Web Flow (Spring Core, Spring MVC, Spring ORM, Spring JDBC, Spring Security) Inversion of Control** and **Dependency Injection of Spring** Application Framework.
* Expertise in Web-Development technologies including **HTML5, CSS, JavaScript, Angular JS, Angular 2.0, jQuery, XML, Bootstrap JS, JSP, JSON, JSF and AJAX.**
* Experience in implementing **DAO** layer using **ORM** tools like **JPA**, **Hibernate.**
* Strong experience of developing data models using **Hibernate** POJO's and configuring Hibernate persistence layer and mapping Java classes with database and using **Hibernate query language** (HQL). Experience in using **Hibernate OGM** for NoSQL databases.
* Strong Open-Source development experience with Java **Spring Boot** and **Microservices**.
* Hands-on experience in developing **Microservices** solutions, experience on Microservice tech stack like **Spring Boot** and **Distributed Cache**.
* Experience on Cloud Platform such as **Amazon Web Services**
* Experience on **Amazon Web Services (AWS)** Component Usage, Configurations and Deployment - **Elasticsearch**, **EC2**, **S3**, **SNS**, **SQS**.
* Good experience of **NoSQL** on **MongoDB** and **Spring-Data-MongoDB**. Expertise in handling distributed transactions, compensating transactions.
* Strong Experience on writing **SQL Queries**, **PL/SQL**, **JPA** that includes Procedures, functions, triggers, cursors and packages with databases such as **Oracle, IBM DB2 and MS SQL Server**.
* Proficient in developing **RESTful** and **SOAP** based Web Services using **Jersey**, **Apache AXIS**, Apache CXF, WSDL, **JAXB**, **JAX-RS** and **JAX-WS**.
* In-depth knowledge about Direct Web service API of **SOAP** and **WSDL**. Extensively worked with **REST GET** and **POST** using basic **HTTP** Authentication.
* Built **RESTful API** for the company and its partners and affiliates to communicate.
* Strong programming skills in **XML** related technologies **like XML, XSL, XSLT,** parsers like **SAX, DOM, JAXP, schemas like DTD, XSD (XML Schema).**
* Designed Use Case Diagrams, **Class Diagrams**, **Sequence Diagrams**, **Flow Charts** and Deployment diagrams using **UML Rational Rose Tool**.
* Experience in **Data Modeling** and performance tuning of **Relational Data Bases Oracle 9i/10g/11g** and **DB2.**Strong experience in database design, writing complex **SQL** Queries and **Stored Procedures.**
* Highly proficient in developing Intranet/Internet technologies on the **J2EE**&**Java** platform with **WebLogic, JBOSS, WebSphere** and **Tomcat**.
* Used **Java Messaging Services (JMS)** and **WebSphere MQ** for asynchronous exchange of information.
* Expertise in deploying **JAR, WAR and EAR** files on server.
* Hands on experience in **ANT**, **Maven**, **Gradle,** and **Cruise Control.**
* Used **Jenkins** for auto-deployment in all lower and **production** environments.
* Experience in implementing software best practices, including **Design patterns, Use Cases, Object Oriented analysis** and **design, Agile methodologies,** and Software/System Modeling (**UML).**
* Experience in Agile development methodologies like **TDD and BDD** and implementation of tests with JUnit.
* Worked on different Version Control tools **GIT, CVS** and **Subversion**.
* Extensive experience in Object Oriented Analysis in developing server side and front-end framework using **J2EE** design patterns.
* Experience on **CI (Continues Integrations)** and **CD (Continues Deployment)** methodologies using **Jenkins**.
* Experience in software testing and code coverage using **JUnit** and **Mockito.**
* Integrated logging frameworks such as **Log4J** and commons for logging and debugging the application.
* Exceptional communication skills handling direct interactions with clients, excellent adaptability, proactive, team player, self-motivated, can work independently, and leadership attitude.
* Proven ability to work Individual Contributor, efficiently and as a part of a team with an ability to deliver within short deadlines.

**Technical Skill Set:**

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| **Programming Languages** | Java, C++, PL/SQL. |
| **Java Technologies** | J2SDK, JDBC, JSF, SWINGS, JMS, Java Beans, JSP, Servlets, JAXP, JAXB, Junit, RESTful and SOAP. |
|  **Tools& Utilities** | MS VSS, CVS, SVN, Ant, Maven, Log4J, Jenkins, Putty, MS Front Page, JIRA. |
| **Design Patterns:** | Model View Controller, Front Controller, Business Delegate, Composite View, Data Access Objects and Data Transfer Objects, Single Responsibility, Singleton, MVC, Business Delegate, Session Façade, Factory, DAO, Value Object, Proxy etc. |
| **Web Technologies** | JDBC, Servlets, JSP, JSTL, Java Beans, MVC, Struts, EJB, JSF, JNDI, JMS, SOA, SOAP, JSON, XML and HTML5, CSS3, Java Script, jQuery, AngularJS, Angular 2.0 |
| **Web Services** | REST, JSON, SOAP, Apache Axis 2, JAX-RS, JAX-WS, AWS. |
| **IDE** | NetBeans, Eclipse, SQL Developer, IBM Data Studio |
| **Frameworks/Architectures** | Spring, Spring Boot, Hibernate, Struts. |
| **Version Control Tools** | CVS, SVN, GIT.  |
| **ORM** | Hibernate, JPA |
| **Database** | Oracle (9i,10g,11g), SQL Server2000/2005, DB2, MySQL, Mongo Db. |
| **Application/Web Servers** | Web Logic 9.1,10, WebSphere6.0, Oracle10G, Jboss3, 4, JRUN, Apache Tomcat 5, 6, IIS 5, Sun App Server. |
| **Messaging**  | JMS, WebSphere MQ and Apache Active MQ |
| **Platforms** | Windows (XP-SP2,7,8,10), LINUX, UNIX. |

**Education:**

* Bachelor of Technology in Computer Science KL University, India**.** May 2012

**Professional Experience:**

**Client: Mastercard**

**Location: O’Fallon, MO June 2019-Present**

**Project: Rewards Bank**

**Senior Software Development Engineer (Full Stack)**

**Description**: Provides clients with the ability to retrieve and track the reward progress of their users accounts across various promotions that they are eligible for. Clients can display the reward progress information within their digital users.

interface to enhance their user’s consumer experience with the promotions.

**Responsibilities:**

* Responsible for requirement gathering, analysis, design & development of Application.
* Involved in design sessions during **sprint meetings** to understand and come up with design solutions for the user stories in Rally.
* Responsible to work on **REST controllers** and orchestrating in to Microservice.
* Used **Spring Rest** Template to use the exposed **REST web services**.
* Used spring boot and spring profiles to implement the unit testing framework.
* Involved in analysis of the business requirements for the new functionality and analyzing the changes in the existing module as per the business requirement.
* Responsible for designing the necessary logic for the implementation depending upon the business requirements in different modules.
* Worked on PostgreSQL as the relational database.
* Developed Entity Beans where transaction persistence is required.
* Developed the helper classes used by most of the components in this application.
* Implemented Log4J for Logging Errors, debugging and tracking using loggers and appenders components.
* Worked on **Angular 8** and Involved in developing applications using Angular Grids.
* Implemented the **Jenkins pipelines** for CI/CD integration and deployed into cloud **PCF (Pivotal Clod Foundry)**.
* Configured **Spring Security** for the Reward bank APIs.
* Worked on the Splunk for monitoring, alerts and dashboard for the rewards bank application.
* Developed end to end application on **spring boot framework** (Rest API Application/Spring JPA using Crud repository).
* Developed unit tests **with JUNIT and Mockito.**
* Worked on GIT for version control.
* Consumed **JSON** formatted data transfer.
* Worked on **Swagger API** and auto-generated documentation for all REST calls.
* Participated in weekly **Backlog Grooming** meetings with Product Owners.

**Environment:** Java 8, Spring**, Spring Boot 2.0.1**, Microservices Architecture, RESTful Web Services, Maven, Jenkins, **PCF**, Kafka, Junit, Mockito, Spring JPA, Spring Security, Bitbucket, Restful web Services, Synapse, Swagger, Sonar, PostgreSQL, Splunk, HTML, CSS**, Angular 8, Bootstrap**

**Project: Workflow Services**

**Senior Software Development Engineer (Full Stack)**

**Description**: Delivers Custom Case Management Solutions which provides complete solutions, front end and back end, to allow entities in the enterprise to manage the full lifecycle of their work tasks. It also has a Business Process Orchestration and Workflow Service which provides a micro service with interfaces to let applications manage their full lifecycle workflow state and to create new workflows with self-service tools.

**Responsibilities:**

* Responsible for requirement gathering, analysis, design & development of Application.
* Designed the complete process flow of the application using **Agile development methodology**.
* Involved in design sessions during **sprint meetings** to understand and come up with design solutions for the user stories in Rally.
* Worked on **Camunda BPM 3.2.0 framework** where camunda framework used for modeling BPMN workflows for the application.
* Used **Tomcat Web Server** for development purpose.
* Worked on integrating embedded camunda workflow engine into **spring boot** Maven (dependency management) application and turn off camunda authentication and made use of reverse proxy for autologin using SSO authentication filter.
* Worked on creating own **Rest API’s** as well as camunda out of box Rest API’s and created DTO classes.
* Responsible to work on **REST controllers** and orchestrating in to Microservice.
* Configured **Spring Security** (Synapse Security) policy for the workflow service and order management application and enabled authentication for the REST API’s.
* Worked on Apache Synapse for securing the Rest Api’s, as well as worked on Spring JPA.
* Implemented the **Jenkins pipelines** for CI/CD integration and deployed into cloud **PCF (Pivotal Clod Foundry)**.
* Worked on workflow engine SLA detection and also implemented **Swagger** (Rest API documentation) to provide API specification and enabled swagger for the camunda embedded engine.
* Worked on **SonarQube** violations.
* Developed unit tests **with JUNIT and Mockito**.
* Implemented Axon integration as messaging framework and created Producer and Subscriber classes to create a communication.
* DB set up and worked on Oracle 11g and 12c (TOAD).
* Worked on GIT for version control.
* Developed responsive web pages using HTML5, CSS3, JavaScript, Boot Strap, Typescript, jQuery and Node JS..
* Worked on **Angular 8** and Involved in developing applications using Angular Grids.
* Integrated with ag grid to show list of historic data retrieved from rest api’s in Workflow project.
* Designed and Integrated Angular File upload module with Spring boot rest api’s and also Camunda Api Diagram and process Diagram in UI webpage and made use of Bpmn.js.
* Integrated Bootstrap framework with Angular to design and develop required UI components for Workflow.
* Taking an active role in structuring our single page application to make them easy to maintain and to ensure they are highly modularized.
* Makes design recommendations towards the development of new code or reuse of existing code.

**Environment:** Java 8, **Spring Boot 2.0.1**, Microservices Architecture, **Camunda BPM 3.2.0**, **Maven**, Jenkins, **PCF**, Kafka, Junit , Mockito, Spring JPA ,Spring Security,  Bitbucket, Restful web Services, Apache Synapse ,Swagger, Sonar , Oracle SQL, TOAD,  HTML, CSS**, Angular 8**, Bootstrap

**Client: Amway**

**Location: Grand Rapids, MI Apr 2017-May 2019**

**Project: MAGIC**

**Sr. JAVA / J2EE Full Stack Developer**

**Description**: MAGIC is an application that computes the bonuses for ABOs (Amway Business Owners) in real-time. When ABOs Buys Amway Products, the systems that handles those purchases transmit information about the purchases to MAGIC, and then MAGIC processes the information to compute what bonuses the ABO should have as a result of his or her purchases. MAGIC’s screens and web services then make that information available for other individuals and systems. The ABOs are connected in Lines of Sponsorship, a product bought by one ABO could affect other ABOs’ bonuses. These Lines of sponsorship can and do change over time. The MAGIC application needs to be able to react to things like that, and it needs to keep track of the Lines of Sponsorship, transaction information, bonuses that ABOs have achieved, how much they have been paid and much more.

**Responsibilities:**

* Experienced in **Agile Methodology**, participated in Sprints and daily Scrums to deliver software tasks on-time and with excellent quality on basis with onsite and offshore teams.
* Used **HTML5**, **CSS3, Angular JS** for content layout and presentation layer (UI) designing. Used JavaScript, **jQuery** for client-side validations and **AJAX** for reports display.
* Developed business components using **Java Objects, Core Java, Multi-Threading and Collections**.
* Extensively used **AWS (Amazon Web Services)** for integration with Enterprise and web applications.
* Implemented project structure based on spring MVC pattern using **Spring Boot**.
* Development of **Spring Bootiful** application with **microservices.**
* Implemented **Microservices** architecture to make application smaller and independent.
* Implementation of **Ehcache** as a second level cache in the **DAO** layer for **Hibernate**.
* Used **Hibernate Template** and **Core Hibernate 3.0** in data access layer to access and update information in the database.
* Implemented **REST** web services using **Jersey** with the enabled **OAUTH**.
* Developed **RESTful** Web Services to retrieve data from client side using **Micro Services** architecture.
* Integration with **Spring security** in web application.
* Development of web modules and middleware components using **AWS** and **Spring** integration.
* Worked in setting up Linux Environment on **AWS cloud infrastructure**, migrated corporate Linux servers from physical servers to **AWS virtual** servers.
* Composed and executed **MongoDB** scripts to insert and update **NoSQL** database, automating data changes and reporting.
* Used **JP-QL** language as part of the **Java Persistence API** (JPA) specification to perform transactions with **MongoDB**.
* Involved in **Data integration**, by which information from multiple databases is consolidated for use in a single application.
* Used **Docker** to containerize the Services and APIs to run on **AWS EC2** instances
* Build the Consumers to have real time data stream using **Kafka**.
* Created **Spring Boot** applications testing suite using Spring **JUnit** plugin and **Mockito** framework.
* Developed end to end application on **spring boot framework** (Rest API Application/Spring JPA using Crud repository).
* Used **Spring Rest** Template to use the exposed **REST web services**.
* Implementation of **HTTP Basic Authentication** to restrict access by looking up users in plain text password and group files using **Apache Mod Auth.**
* Created Auto deploy jobs using **Jenkins** and **Maven**. Developed Spring **DAO** templates to all type of **CRUD** operations.
* Configured and deployed application on **JBOSS 7.x** server**.**
* Developed all the **JUnit** test cases for all the different layer implementations.
* Developed **JUnit** test cases for Unit Testing and functional testing for various modules and prepared Code Documentation for future reference and upgrades.
* Used **Log4jLogger** and **Debugger** to capture the log that includes runtime exceptions.
* Participated in a Scrum team and Agile Practices including**Test-Driven Development (TDD), Behavior Driven Development (BDD)** and pair programming.

**Environment:** Java1.8, **Agile**, HTML5, CSS3, JSP, JavaScript, Jquery, **Angular JS** , Java Beans, **Hibernate**, **JPA**, **AWS**, **Microservices**, **Spring boot**, **SpringCore,** **Restful**, **JAX-RS**, JSON, XML, **WAR** Packaging, **Mongo db**, **WebLogic**, JUnit, **Log4j**,**Jenkins**, Unix, **Mockito**, **JBoss EAP**.

**Client: InComm Inc.**

**Location: Atlanta, GA Jan 2016 – Mar 2017**

**Java Developer**

**Description:** InComm supports transaction processing for major prepaid cards including gift cards and financial cards. MTL (Merchant Translation Layer) and SPIL (Service Provider Interface Layer) implements the translation of external message formats to InComm message formats and vice versa. Worked on various partner integration projects developing custom interfaces.

**Responsibilities:**

* Designed and developed a web-based client using Servlets, **JSP**, **Tag Libraries**, **Java Script**, **HTML5**, **Bootstrap** and **XML** using **Spring Framework**.
* Worked in the daily **Agile development methodology.**
* Designed the **Hibernate** objects and used the **Hibernate APIs** to persist data.
* Implemented **PL/SQL queries** and used Oracle stored procedures, and built-in functions to retrieve and update data from the databases.
* All the backend functionality is implemented using **Spring Boot, Spring MVC, Spring transactions, Spring IOC, Spring Core.**
* Developed **Micro Services** using **Spring Boot.**
* Implemented **Spring Boot** Micro services to divide the application into various sub modules.
* Installed, configured and hosted the **Oracle, Tomcat app servers** and Mongo DB servers on physical servers (Linux, Windows
* Used **Hibernate** as the **ORM** tool to communicate with the database and integrated with Spring using **Spring ORM,** to design **domain model classes.**
* Worked using **MVC** pattern, to write service layer.
* Written multiple **JPA quires /Native queries** to fetch records from database.
* Maintained, structured, and surveyed documents within the NoSQL **MongoDB** database, ensuring data integrity, correcting anomalies, and increasing the overall maintainability of the database.
* Created multiple **Restful** web services.
* Developed and consumed **Rest Services** using **HTTP** methods such as **GET, POST, PUT**and **DELETE** for user
* Migrated existing **EJB** web services to **Restful** services.
* Consumed **JSON** formatted data transfer.
* Build backend services using **Maven** and frontend services using **Grunt.**
* Performed system analysis and design using **OOA/OOD** and **UML** diagrams.
* Used **REST based web services** for all major remote services.
* Used **XML** parsing techniques for data handling and **JavaScript** front-end pages.
* Developed **Use Cases**, **High Level Design** and **Detailed Design** documents
* Involved in **bug fixing, enhancements and production support** of various applications.
* For the production issues, provided support by debugging the log files and fixing the code for the data issues.
* Experience in **Test Driven Development (TDD)** using **Spring Test**, **JUnit** and **Mockito**.
* Developed server-side scripts in shell to customize **GIT** and integrate it with tools like **JIRA** and **Jenkins**.
* Worked on **CI (Continues Integrations)** and **CD (Continues Deployment)** methodologies using **Jenkins**.
* Worked on Web Services for transferring **XML** data between two interfaces.
* Deployed application on **Tomcat** server using build tool **Maven.**
* Used **Jenkins** for auto-deployment in all lower and **production** environments.
* Used **Log4j** Logger and Debugger to capture the log that includes runtime exceptions.
* Involved in writing Unit test cases using **JUnit** and also involved in integration testing.

**Environment:** Java/J2EE 7, JSF, JSP, Servlets, CSS, HTML5, **JavaScript**, **AngularJS**, Oracle, **MongoDB**, **Microservices**, **Spring boot**, **Spring**, **Hibernate**, **JPA**, EJB, **REST Web Services**, Jenkins, **JIRA**, Log4j, **WebSphere**, **EAR packaging, Eclipse, SVN, Mockito, Maven, Grunt, JUnit.**

**Client: Datamine Infotech**

**Location: Bengaluru, India Oct 2013 – Dec 2015**

**Jr. Java/J2EE Developer**

**Responsibilities:**

* Involved in the business meetings to develop the application and make it work effectively for the important business segment of the client.

• Worked with Spring & Struts as an Integration Framework to Design & Develop the whole Application.

• Used Hibernate extensively to interact with Oracle 11g Database.

• Involved in installation and configuration of Web Logic Application Server on Windows XP and Unix/Linux systems

 for the application

• Worked with JMS Connection Pool and the implementation of messaging using Spring JMS and Message Queues.

• Developed JUnit test cases to unit test the business logic. Added constraints, indexes to the database design.

 Developed business objects and other based on the database tables.

• Wrote PL/SQL Stored Procedures, Views and Queries using SQL Developer for archiving data on a daily basis for

 daily and monthly report and scheduled the job using Spring Scheduler.

• Made use of jQuery, JSPs, HTML, JavaScript and CSS to develop the frontend UI.

• Apache Maven is used as Build tool to automate the build process for the entire application and Hudson for

 continuous integration.

• Responsible for coding, deploying applications according to the client approved specifications and requirements.

• Involved in maintenance of existing PERL application and wrote Perl scripts to enhance the application.

• Ensure that coding standards are maintained throughout the development process by all developers.

• Followed agile methodology that included iterative application development, weekly Sprints and daily stand up

 meetings.

**Environment**: WebLogic 9.2, **Oracle 10g,** Java 1.6**, Spring 3.1, Spring JDBC, PL/SQL, JMS,** Unix Shell Scripting**, JavaScript, Apache Maven,** Hudson**,** SLF4J, **Log4j, REST Web services,** Oracle SQL Developer

**Client: Acheron**

**Location: Hyderabad, India Aug 2012 – Sep 2013**

**Jr. Java Developer**

**Responsibilities:**

* Responsible and active in the analysis, definition, design, implementation, management, and deployment of full software development life cycle of project.
* Developing User Interface and implementing business process using **JSP** and **Servlets**.
* Development of the application that was used to create dynamic JSPs, given input from a database table containing information about the contents of the **JSP** being developed.
* Involved in writing the presentation layer in Java Server Pages (JSP)
* Developed the front-end User Interface using **HTML5**, **JavaScript**, **CSS3**, **JSON**, **jQuery**.
* Extensively use **Spring** framework components such as Dependency injections.
* Wrote Servlets programming and **JSP** scripting for the communication between web browser and server.
* Responsible for coding **SQL** Statements and Stored procedures for back end communication using **JDBC**.
* Developed an API to write **XML** documents from a database. Utilized **XML** and **XSL** Transformation for dynamic web-content and database connectivity.
* Database modeling, administration and development using **SQL** and **PL/SQL** in **Oracle 11g**.
* Coded different deployment descriptors using **XML**. Generated Jar files are deployed on Apache Tomcat Server.
* Involved in the development of presentation layer and **GUI framework** in JSP. Client-Side validations were done using **JavaScript**.
* **Involved in configuring** and deploying the application using **WebSphere**.
* Involved in code reviews and mentored the team in resolving issues.
* Undertook the Integration and testing of the various parts of the application.
* Used **Subversion** for version control and **log4j** for logging errors.

**Environment**: **HTML5**, JSP, **Servlets**, **JDBC**, **JavaScript**, **Json**, **jQuery**, **Spring**, **SQL,** Oracle 11g, Tomcat, Eclipse IDE, XML, XSL, ANT, Tomcat 5.