**Vamshi P**

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**PROFESSIONAL SUMMARY**

* Having **10+ years of experience** in all the phases of Software Development Life Cycle (SDLC) including Requirement Analysis, Design, Implementation and Testing in Enterprise applications with emphasis on Java/J2EE technologies.
* Experience in developing applications with **Agile Methodology, Waterfall** Methodology.
* Good working knowledge with **Java1.8 features like streams, Lambda expressions** and **functional interfaces** etc.
* Good knowledge in **Data Structures and Algorithms**
* Extensive experience in Java, J2EE technologies such as **JDBC, Servlets, JSP, Struts, JSF, EJB, Spring, Web Services, Hibernate, JMS, XML, XSD, XSL and JNDI, AJAX**.
* Experience working with **Angular 6,7, Angular JS**.
* Having experience with Cloud Computing environment like **Amazon Web Services (AWS)**.
* Handled operations and maintenance support for **AWS cloud resources which includes launching, maintaining and troubleshooting EC2 instances, S3 buckets, Auto Scaling, Dynamo DB, AWS IAM and Elastic Load Balancers (ELB) and API Gateway**.
* Proficient in developing J2EE enterprise applications using **Micro Service Architecture**.
* Extensive experience in developing **Microservices using Spring Boot, Netflix OSS (Zuul, Eureka, Ribbon, Hystrix)**
* Experience of working in **Cloud Services of Azure and AWS**
* Hands on Experience in developing web applications by using Spring framework modules like **Spring IOC, Spring MVC, Spring AOP, Spring Data, Spring Boot and Spring Cloud Gateway**.
* Expertise in developing data models using **Hibernate Object relational mapping (ORM)** framework and used Hibernate Annotations to reduce time at the configuration level.
* Expert in **Core Java with strong understanding of OOPs Concepts, Collection Framework, Multithreading**, Exception handling and **Genereics**.
* Expertise in **J2EE Technology- Servlets, JSP, Spring, JDBC, Hibernate and JMS**.
* Experience with distinctive design patterns like **Singleton, Factory, Session Facade, Observer, Dependency Injection, DAO MVC**.
* Experience in design and development of robust and highly **scalable REST API's**.
* Expertise in back-end/server-side java technologies such as Web services, Java persistence **API (JPA),** Java Messaging Service **(JMS), Java Database Connectivity (JDBC)** and **Java Naming and Directory Interface (JNDI)**.
* Good Understanding in databases such as **Oracle, MySQL, and Mongo DB** databases to manage tables, views, indexes, stored procedures, functions, triggers and packages
* Experience in **JMS over messaging to exchange information in more reliable and asynchronously for enterprise applications using Active MQ**.
* Experience of using Microsoft **REST API's for Azure Cloud**.
* Proficient with build automation tool Maven for builds and deployments to different environments.
* Experience on different **IDEs such as Eclipse, Spring Tool Suite (STS)** and Any-Point Studio.
* Hands-on experience in deployment using Servers like **Apache Tomcat and Oracle WebLogic**.
* Experience with **JUnit** in developing test cases and determining application functionality.
* Experience in **UNIX/LINUX** Shell Scripting and Deployment of Applications in Server.
* Decent experience in using code repository tools **BitBucket and GitHub**.
* Skilled at consuming data from Restful Web Services using **JSON**. Hands on experience with **Docker**.
* Handled messaging services using Apache Kafka.
* Excellent interpersonal, management, analytical and problem-solving abilities.
* Developed J2EE applications by using the IDE’s such as **Eclipse**, **NetBeans** and **IntelliJ**.
* Willingness and ability to quickly adapt and learn new technologies.

**Education**

EDUCATION: Bachelor’s in information technology Anna University, Chennai and Masters in New England College

***Certifications:***

***AWS Certified Architect- Associate***

***Validation Number: a9fe530f27484070afee009c1b85fe36***

***Validate at: http://aws.amazon.com/verification***

**TECHNICAL SKILLS**

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| **Technical Proficiency** |
| **Languages** | C, C++, Java, SQL and PL/SQL |
| **Enterprise Java** | Java, J2EE, Swing, RMI, Sockets, JDBC, Servlets, JSP, JMS, Java Beans, JSTL, JSF, Struts, EJB, Spring, JTA, JNDI and JPA |
| **Tools & Frameworks** | Spring MVC, Spring Web Flow, Spring IOC, Spring AOP, JMS, JSF, Log4J, SOA, Jasper reports, SOAP UI, Spring Boot, Spring Batch, Spring Security, and Spring Data |
| **Databases** | Oracle 8i/9i/10g/11g, Sybase, SQL Server 7.0 / 2000, DB2, MySQL and MS Access 2000 |
| **Web Development** | HTML, XHTML, CSS, XML, XSD, XSL/XSLT, SAX/DOM, AJAX, JSON |
| **Scripting Language** | Shell Script, bash, Perl, JavaScript, jQuery, AngularJS |
| **Web/App Servers** | Web Sphere, Apache Tomcat, JBoss, WebLogic |
| **Tools** | Eclipse3.0, Net Beans5.0, Clear Case, Clear Quest, CVS, SVN, Perforce, Sub Version, Dream weaver 2000, Edit plus, VISIO, JUnit, JMeter |
| **Web Services** | SOAP, RESTful, UDDI, WSDL, JAX-RPC, JAX-RS JAX-WS, JAX-B, Apache Axis2, Apache CFX, JMS, MQ |
| **Cloud Computing** |  VPC, S3, Route53, Direct Connect, VPC, SNS, Elastic Beanstalk, Simple DB  |
| **Version Control** | GIT, CVS, SVN, Rational clear case |

**PROFESSIONAL EXPERIENCE**

**Client: BNY Melon Mar’2023-present**

**Location Jersey City, NJ/** **Pittsburgh, PA**

**Role: Lead Java Full Stack Developer**

**Description**: **Electronic Blue Trade (EBT)** project is used for post-trade allocation. Client will send us Allocation instruction (35=J) and will have a matcher to match the trade between client allocation to BNP client notice. Matching criteria will be symbol/side/trade Date/settlement Date /price /quantity/commission. Once the matcher matches the trade, it will correlate the BNP client notice with client Allocation instruction and send Backoffice.

**Responsibilities:**

* Involved in **Agile Methodology** and participated in daily scrum meetings for the software development process to develop high quality application.
* Participated in Requirements gathering Analysis, Design, Business logic implementation and Unit testing, Deployment and Maintenance of the Application.
* Used new **Java 17** features such as **Lambdas, Streams, Observables and Completable Futures** etc.
* Developed a web application using **Angular 11** as front - end and using Web API to receive and pass data to back-end.
* Involved in developing **several Fix message New Order single, Execution**, **Confirmation**.
* Responsible for front-end UI development using **JavaScript**, **HTML5, CSS, Typescript**, Plotly, E Charts using **Angular 11**
* Developed the application using model driven approach by creating different Modules, Components and by using the reusable code.
* Created **Angular 11** components, implemented Interpolation, Input Variables, Bootstrapping, Router Outlet, NgIf, NgFor, event binding, and decorators.
* Created reusable Custom pipes and Directives for filtering and sorting for table columns for Custom Table component which is used for **CRUD** Operations.
* Implemented Routing to navigate between the components in the application using the Angular router module.
* Worked on Migrating UI Angular version 9 to Angular 13.
* Worked on **Spring Boot** at Backend to develop the application and Tested **REST API’S** in Spring-controller for JSON data using **Postman.**
* Extensively used various **Spring** Framework modules like MVC, Auto wiring, **JDBC** Templates, Spring Security, and AOP.
* Worked on **REST Client** and POSTMAN to test the rest-based services and used **Junit** and **Mockito** to test the middleware services.
* Part of team implementing **REST APIs** in **Python** using micro-framework like Flask.
* Worked on **42 Crunch** for **API** security and for the control of the security policy of API lifecycle as per the Ford standards.
* Implemented Data Access Layer using Entity Framework with Web API to connect, retrieve and update the data from **SQL Server**.
* Used **Jenkins** for continuous integration and continuous deployment of application in various environments.
* Worked on the Code quality issues using **SonarQube** for Code Validation and to avoid violations.
* Used AWS **Simple storage services** (S3) for storing snapshots and Configured **S3** lifecycle of Applications & Databases logs, including deleting old logs, archiving logs based on retention policy of Apps and Databases.
* **JSON request/response is processed using Spring Boot, Restful** features with micro services Architecture and **Spring Data Jpa** persistence solution
* Highly experienced with source code management tools like **GIT** for branching strategies etc.
* Worked with multiple teams to deliver the product as per the business requirements.
* Closely worked with the Data science team on getting the **JSON** data for our application and suggested changes on the data format issues in a timely manner.
* Implemented **Apachi camel** to process the fix messages with **Kafka** cluster setup.
* Implemented **Kafka** producer and consumer applications on **Kafka** cluster setup with help of **Zookeeper.**
* Implemented Cloud capabilities **like Centralized Configuration**, **Load Balancing**, Service-to-Service call using **Feign**, Service Registry and Discovery using **Eureka** in **Spring Cloud**.
* Good Knowledge on **Docker** and **Kubernetes**, hands-on experience in building **docker** containers.
* Worked on **kubect1** to interact with **Kubernetes** cluster and understand different components of Kubernetes architecture.
* Excellent critical thinking, decision making, and problem-solving skills are required to effectively work in the field of applications development and maintenance.
* **GemFire** cache is used to store Reference Data.
* Used **Multithreading** in programming and Executor framework (**Thread pool, semaphore, Lock**) to improve

 overall performance.

* Working with **OAUTH2.0, Spring Boot** to provide **authentication and authorization** to Rest services by

 exchanging Access tokens.

**Environment**: **Java17, concurrent package, lambda expressions, streams, SpringBoot, SpringBatch,**

**Spring DataJPA, Jprofiler, Angular 11, JAX-B, JAX-RS, SQL, Oracle, BitBucket/Stash, ServiceNow, Autosys,**

**Eclipse, Unix, JUnit, Log4J, Docker, AWS, Swagger, Microservices, JIRA, Jenkins, Apache Kafka, Apache Camel**

**Client: Genesis Global Trading Jan’ 2022 – Mar’2023**

**Location: New York, NY**

**Role: Java Developer**

**Description: Axis**: Axis is position aggregation framework, In the framework, we can quickly build services that expose position-level aggregations to client with in the FX infrastructure. The strategic vision includes a stack of services providing a set of views on positions and an extended set of FX trade aggregation such as P&L, Cost of carry, and daily discount.

**Responsibilities:**

* Worked on Java functional programming concepts like **Streams**, **Functional** **Interfaces**, new date time API and **lambda** expressions.
* Developed **Single Page Applications using Angular 8 framework**, JavaScript, HTML, CSS, Java 1.8, Spring Boot.
* Used **Angular router** and implemented module wide routing and created different forms using Angular data driven and template driven forms.
* Developed **Angular** Components, Services, and Filters and took part in developing unit test and integration test cases using Jasmine, Karma.
* Consumed REST services using **Angular HTTP** and performed various REST Http operations for data retrievals and updates.
* Used **Java 1.8 Lambda expressions** and Stream API to support functional-style operations on streams of elements.
* Implemented JMS Listener on MQ, routing functionalities and invoking corresponding web service using Apache Camel.
* Ensured cross-browser compatibility by testing and applying necessary **JavaScript and CSS fixes**.
* Managed EKS clusters for multiple projects, overseeing day-to-day operations, upgrades, and troubleshooting.
* Implemented Initial setup and component migration **to Redux.**
* Developed user interface by using the **React Flux** for **SPA** development and **Web developer**.
* Used **React-Router** to turn application into **Single Page Application**
* Used GIT for version control and source repository, Used Fisheye for Code Review and JIRA for reporting Bugs and story tracking.
* Developed JUnit test cases using Mockito framework for all the developed modules.
* Used Node.Js CLI tool Node Package Manager (NPM) to build Angular application.
* **Apache camel** Kafka end point used to publish trade confirmations to **Apache Kafka**.
* Worked with **KAFKA Zookeeper** for managing the cluster with broker/cluster technology
* Developed component send formatted (JSON) trade data to Rest Endpoint to capture enriched data. Response from Rest Endpoint publishes to MQ using Apache Camel.
* Involved in developing several Fix message New Order single, Execution, Confirmation.
* Implemented Cloud capabilities **like Centralized Configuration**, **Load Balancing**, Service-to-Service call using **Feign**, Service Registry and Discovery using **Eureka** in **Spring Cloud**.
* Used **Spring Boot** which is radically faster in building cloud **Micro Services** and develop Spring based application with very less configuration.
* Developed Micro services & APIs using **Spring Cloud, Spring Security, Spring Boot, Spring Integration**.
* Gulp is used to build, and Bower is used for managing dependencies
* JSON request/response from UI is processed using Spring Boot, Restful features with micro services Architecture and Spring Data Jpa is used to save/retrieve the data in the backend
* Developed strategies for internal security to the projects using **Spring Security and Spring Boot**.
* Secured the API's by implementing Oauth2 tokenbased authentication/authorization scheme using spring security.
* Used **Maven to build and deploy the application** and used Jenkins as **Continuous Integration platform (CI/CD**).

**Environment** Java 1.8, concurrent package, lambda expressions, streams, J2ee, webservices, JMS, XML(Dom, Sax, Xpath, Stax, XSLT), IBM MQ, Kafka 2.0, Spring Boot, Apache Camel 2.2 , Spring Batch, Spring Data JPA, EHCache,Jprofiler,Angular**6/8**,Eclipse,WebStorm,GIT/Stash(Bitbucket),Jenkins,Confluence,Jira,SourceTree, Swagger, **Angular 6/8**, HTML, CSS, and Bootstrap Maven, Windows, Linux,DB2,.

**Client: State Farm Insurance Oct’2018– June’ 2021**

**Location: Pune, India**

**Role: Java Developer**

**Description: State Farm Insurance** is a leading mutual insurance company that offers various insurance products. The objective here was to migrate and design a responsive web application that would help customers in getting current auto insurance quotes as well as managing claims. There were several addendums to this application such as policy underwriting, claims processing and policy approvals. The core role was dedicated to working on e-commerce module for customers for getting quotes, buying and renewing policies, updating personal information

**Responsibilities:**

* Followed Agile/Scrum methodology to iterate quickly on product changes, developing user stories and working through
* Backlog, JIRA to record and monitor the stories and backlogs.
* Used JIRA to keep track of bugs to reduce downtime, increase productivity, and Communication.
* Experience with Docker (images and containers) and Exposure to AWS Cloud Deployments and CI/CD DevOps Practices.
* Hands on experience in Configuration Management, Cloud Infrastructure, and Automation like Amazon Web Services (AWS), Ant, Maven, SVN, Git-hub, Clear Case and Tomcat.
* Hands-on experience in using **ReactJS** components, Forms, Events, Keys, Router, Animations and Redux concept.
* I am predominantly working on UI web applications using **HTML5, CSS3, JavaScript, XML, JQuery**, JSON, React JS and Restful API'S.
* Core Java with Concurrent API is used extensively for parallel processing and chunk processing of trade execution data and market data and converts into JSON and stores it DB.
* Experienced in working in AGILE based development environment and participating in Scrum sessions.
* Developed Micro services & APIs using **Spring Security, Spring Boot, Spring Integration**.
* Performed REST validations and created REST exception Handlers and used Postman to test REST services.
* Developed unit test cases using Junit, test REST **microservices** with spring Junit runner.
* Involved in consuming SOAP based web services so that the business application can integrate with legacy applications and facilitates for future applications.
* Developed service using **Spring Cloud Function** which process data sent **Amazon S3** bucket and **Amazon Kinesis** streams using inbound Lambda which parses data, validates, calculates and stores in **DB.** Out bound Lambda processing generate out files sent to Legacy system
* Used Java 1.8 Lambda expressions and Stream API to support functional-style operations on streams of elements.
* Worked on Java functional programming concepts like Streams, Functional Interfaces, new date time API and lambda expressions.
* Design and implementation of different micro services and its **Docker** files.
* Created and maintained **Docker** images and Docker containers.
* Configuring the **Docker** containers and creating Docker files for different environments.
* Leveraged Elastic container services to run Docker micro services in AWS.
* Used **Multi-Threading** and collection framework including List, Map etc.

**Environment**: Java 1.8, concurrent package, lambda expressions, streams, JavaScript, JDBC, JPA,

Hibernate, JAX-B, JAX-RS, Oracle, GitHub, , ServiceNow, Spring Boot, Spring Batch, JMS, Tibco EMS Autosys,

Eclipse, Unix, JUnit, Log4J, Docker, AWS, Swagger, Microservices, Docker, AWS, JIRA, Jenkins..

**Citi Group, June’2016- Sep’ 2018**

**Location: Pune, India**

**Role: Java Developer**

**Description**: Worked on designing and developing a web application used by financial advisors for getting the latest data / fund performance and managing their shareholder portfolios online. Worked on application that was built using spring MVC with JSP along with Tiles as view layer and consumes soap-based services built based on jax-ws specification**.**

**Responsibilities:**

* Followed **Agile/Scrum** methodology that included iterative application development, weekly Sprints and stand-up meetings.
* Spring JDBC used to retrieve and update, inserting data in oracle database with use of stored procs.
* EhCache used to store Reference Data.
* Maven is used for build and deploy the application in WebSphere Application Server (WAS)
* Used **Multi-Threading** and collection framework including List, Map etc.
* Used **Apache Maven** as a build tool for building the Restful web-service.
* Used JIRA to fix bugs and track the workflow.
* Developed UML diagrams like use case diagrams, sequence diagrams, class diagrams and ER diagrams to depict the business requirements into technical modules
* Implemented the services using core java 1.7, JPA 2.0, Hibernate 4.3 and Spring 3.0 for IOC injection and MVC, IBM MQ and EJB’s and MDB’s
* Developed the asynchronous MDB components and configured JMS components in WebLogic Application Server
* Configured and administered JDBC connection pools, data sources, JMS connection factories, JNDI in WebLogic 10.3

 **Environment**: Java, Spring, Hibernate, GIT, IBM MQ, JUnit, Tomcat, Maven, Restful, JAX-RS, Log4J, JIRA, Jenkins

**Polaris Software Lab, Mar’2014- June’ 2016**

**Location: Chennai, India**

**Role: Java Developer**

**Description**: Worked on designing and developing a web application used by financial advisors for getting the latest data / fund performance and managing their shareholder portfolios online. Worked on application that was built using spring MVC with JSP along with Tiles as view layer and consumes soap-based services built based on jax-ws specification**.**

**Responsibilities:**

* Performed analysis for the client requirements based on the developed detailed design documents.
* Developed Use Cases, Class Diagrams, Sequence Diagrams and Data Models using Microsoft Visio.
* Developed STRUTS forms and actions for validation of user request data and application functionality.
* Developed JSP’s with STRUTS custom tags and implemented JavaScript validation of data.
* Developed programs for accessing the database using JDBC thin driver to execute queries, Prepared statements, Stored Procedures and to manipulate the data in the database.
* Developed the application using J2EE architecture.
* Involved in developing JSP forms.
* Designed and developed web pages using HTML and JSP.
* Involved in developing business tier using stateless session bean.
* Used JavaScript for web page validation and Struts Valuator for server-side validation.
* Designing the database and coding of SQL, PL/SQL, Triggers and Views using IBM DB2.
* Developed Message Driven Beans for asynchronous processing of alerts.
* Used JDBC for database connectivity with MySQL Server.
* Used CVS for version control.
* Used Clear case for source code control and JUNIT for unit testing.
* Involved in peer code reviews and performed integration testing of the modules.

**Environment:** Java, J2EE, Struts, HTML, JDBC, ANT, XML, IBM Web Sphere, JUNIT, DB2, Rational Rose, CVS, UNIX, Clear Case. JavaBeans, XML, XSLT, Oracle 10g, TOAD Eclipse, Maven, JUnit, Log4j, SVN, Servlets, JSP.