**Vamsi Paturi**

**Java Full Stack Developer**

**Professional Summary:**

* Around 8+Years of experience in software design and development of Object-Oriented Software full stack application development using Javaand J2EE technologies.
* Experience with all phases of the Software Development Life Cycle (SDLC): analysis, design, development, implementation, testing, and maintenance.
* Worked on a variety of Service Oriented, Client/Server, GUI, and Web applications. Have a thorough understanding of both Agile and Waterfall methodologies.
* Applied Agile Test Practices SCRUM, Scripted Test Cases for Test Driven Development TDD and developed test cases for story card based on Acceptance Test Driven Development ATDD.
* Experience working in multi-tier enterprise applications and Client/Server applications using JAVA/J2EE and good exposure in MVC Architecture based applications using Spring Framework 4.1, Struts Framework 2.3.12, JMS, Java Beans with experience in presentation, business, and database layers.
* Working knowledge of Spring, Hibernate, and REST Web Services.
* Expertise in designing and developing enterprise and web applications from design blueprint using java and J2EE technologies like Core Java, JSP, Java Script, JDBC, Web Services, Spring, Hibernate, REST, XML, SQL, HQL, XSL, HTML, CSS and LOG4j.
* Good knowledge in Object-relational mapping using Hibernate.
* Experience in creating web applications using HTML/HTML5, CSS/CSS3(SASS, LESS), Bootstrap, JavaScript (ES5), jQuery, AngularJS (1.0, 2.0, 4.0), AJAX, and JSON, Node.js, and ReactJS.
* Proficiency with J2EE Design Patterns like MVC Architecture, Front Controller, Data Access Object for building J2EE Applications.
* Experience in building web applications using Spring Framework features like MVC (Model View Controller), AOP (Aspect Oriented Programming), Spring Batch, Spring, IOC (Inversion of Control), DAO (Data Access Object) and template classes.
* Experience on UNIX/LINUX Shell Scripting and Deployment of Applications in Server.
* Proficient in working with Databases like Oracle 11g/10g/9i and MySQL and in writing SQL queries.
* Worked with SQL and PL/SQL to create complex database objects such as Stored Procedures, Functions, Packages, and Triggers.
* Hands on experience in NoSQL technology like MongoDB (CRUD operations, indexing, replication, aggregation, various ops manager activity).
* Experience of developing and implementing robust and scalable SQL modules.
* Working knowledge of WebLogic, WebSphere, and JBoss, as well as web programming on the Apache Tomcat web server.
* Performed Unit testing using Junit, using build tools like Apache ANT 1.9.
* Involved in analyzing the production issues.
* Involved in resolving workarounds for production difficulties.
* Performed System Integration test to ensure quality of the system.
* Strong experience with various application developments IDEs Eclipse, Maven and Net Beans.
* Proficient using versioning tools like GIT, Clear Case, CVS, and SVN for source control and Release Management.
* Experience in managing the build files using ANT and Maven.
* Worked on bug tracking tools like JIRA, Bugzilla, and Putty.
* Experienced in TEST automation using selenium, cucumber, Jenkins, Karma, Jasmine
* Experience in working with Kafka, AWS Kinesis, SQS, Redis and RabbitMQ.
* Handled operations and maintenance support for AWS cloud resources which includes launching, maintaining, and troubleshooting EC2 instances, S3 buckets, Virtual Private Clouds (VPC), Elastic Load Balancers (ELB) and Relational Database Services (RDS).
* Created AWS security Groups for deploying and configuring AWS EC2 instances.
* Hands on working experience with Jenkins continuous integration Tools including installation, configuration of jobs, pipelines, security set up etc.
* Proficient with container systems like Docker and container orchestration like EC2 Container Service, Kubernetes,
* Excellent interpersonal and communication skills, willingness to learn new technologies, hard worker, and team player.

**Education:**

* Bachelor’s in computer science. (Vignan university)

**Technical Expertise:**

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| Languages | Java, J2EE,Javascript,Typescript,Shell scripting. |
| Markup Languages | XML, JSON, HTML5, CSS3 |
| J2EE Technologies | Servlets, JSP, JDBC, JNDI, Swing |
| Web Technologies | HTML5, CSS5, XML, JQuery, Java Script, Angular.js 2/4, JSF, Node.js, React.js, Express.js |
| Tools & IDE | Eclipse IDE, IBM RAD, Net Beans IDE, Visual Studio |
| Version Control | GIT, SVN, CVS |
| Web Servers/ Application  Servers | Apache Tomcat, WebLogic, WebSphere, Jboss Fuse and Glassfish |
| Databases | Oracle 11g, MySQL, DB2, Mongo DB, Firebase, Oracle PL/SQL Apache Cassandra. |
| Java Frameworks | Spring 3.x, Hibernate 3.x, Struts 2 |
| Design Patterns | Dependency Injection, DAO, MVC, Singleton, Adaptor, Factory, Gate Way, Facade, MVP |
| Testing | Junit, TestNG, Mockito, Jasmine, Karma, Mocha, Chai, Spock, Protractor, Jest, |
| Build tool | Ant 1.9, Maven, Docker, Gradle |
| Web Services | Apigee and RESTful Web Services, SOAP Web Services -JAX- WS-API |
| Development Methodologies | Agile, Waterfall |
| Operating System | Windows, UNIX, Mac OS X, Ubuntu, Linux |

**Professional Experience:**

**Client: Priority Health MI**

**Role: Full Stack Java Developer.**

**Duration: Aug 2020– present**

**Responsibilities:**

* Designed and Developed Application based on **J2EE** using **Spring** and **Hibernate**.
* Built interactive UI web pages using **HTML5**, **CSS3**, ReactJS and Bootstrap.
* Wrote application-level code to interact with APIs, web services using **AJAX**, **JSON**, **XML**.
* Developed UI modules using HTML, JSP, jQuery, Bootstrap, JavaScript, and CSS.
* Develop automated test scripts that are robust, performant, and maintainable using **Selenium** **WebDriver**, TestNG framework.
* Extensively involved in both manual & automation testing of different phases of application development.
* Experience in using **React** JS components, **Forms**, Events, **Keys**, **Router**, **Redux**, **Flux** and **Animation** concept.
* Developed React.js code to handle cross browser compatibility issues in Mozella, IE 7, 8, 9, Safari and Firefox.
* Used Babel plugin tool for conversion of ECMA versions to support all type of browsers.
* Developed the flux pattern by using **Redux** framework and integrated Redux data store allowing React components to have access to data resulting in highly maintainable code.
* Enhanced legacy application by building new components in **Typescript** and Developed single page applications using Angular, Typescript, web pack and grunt.
* Built application on spring boot running on Embedded **Tomcat** and configured SSL with it.
* Used **Java 8**, **REST** and Spring Framework for developing the application. Implemented the persistence layer using Hibernate and configured Hibernate with Spring to interact with the **Neo4j** streams and **lambda expressions** to increase performance.
* Followed Spring **MVC** pattern and used View Resolver to map web pages.
* Developed **Microservices** to provide Rest API's utilizing Spring MVC.
* Used **Microservice** architecture with Spring Boot based services interacting through a combination of REST to build, test and deploy identity Microservices.
* Developed reusable, interoperable Web service modules based on SOA architecture using SOAP, WSDL and 2**RESTFUL**.
* Used Rest Controller in Spring framework to create **RESTful** Web services and JSON objects for communication.
* Created and scheduled Batch process using Java Batch and **Spring** **Batch** and implemented job throttling for spring batch process.
* Worked with JSON Web Tokens (**JWT**) to securely communicate JSON Objects.
* Extensively worked on **Hibernate** concepts such as Lazy loading, Dirty checking, Locking, and Transactions.
* Implemented **RabbitMQ** message queuing for post processing after submission.
* Developed micro-services using Spring **MVC** and Spring Boot.
* Used Web Services for creating rate summary and used **WSDL** and **SOAP** messages for getting messages from different module and used **XML** parsers for data retrieval.
* Designed enterprise API’s and involved in developing the API’ and involved in testing API’s using Soap UI and **Postman**.
* Used **Maven** build tool for compiling and packaging the application and used Jenkins with maven for application build and continuous integration.
* Used **Jasmine** and **Log4j** for testing the JavaScript functionality and Karma for running the tests.
* Designed and developed a decision tree application using **Neo4J** graph database to model the nodes and relationships for each decision.
* Worked on **Gradle** build tool to assemble, build and test the application.
* Worked on evaluating and setting up **Cassandra** database on **AWS** and BareMetal systems for non-production environment.
* Achieved scalable websites by focusing on accurate implementation of React JS and Redux.
* Stored the data in the form of **JSON** structure-based documents, stored in collection using **MongoDB**.
* Worked on implementing current Rest web services to one of cloud computing services **AWS**.

**Environment:** Java 1.8, Eclipse Mars, Tomcat 8, WebLogic 12.2.1, JSP 2.3, Servlets 3.1, Spring 4.0, Hibernate 5.2, RESTful Web services, XML 1.1, WSDL, JSF, MySQL 5.7, GraphQL, Maven, AngularJS, ReactJS, Bootstrap 3, HTML5, CSS3, JavaScript, JSON, EJB, RDBMS, JQuery, Cassandra, Micro Services, MongoDB, Oracle 11g, Spring Boot, Spring Beans, Ajax, PL/SQL, AWS, Docker engine 18, Jenkins, JAXB, OOP, GIT, Maven 3.3.1, JIRA, Jenkins, Junit, Jasmine, Mockito, Karma, Swagger, Log4J, Agile, Scrum, Windows.

**Client: Lucid Motors, Arizona**

**Role: Full Stack Java Developer**

**Duration: 2018 Oct – 2020 Aug**

**Responsibilities:**

* Responsible for end-to-end delivery (Requirement gathering, Analysis, Design, Development, Unit test& Support) of assigned modules.
* Experience in Implemented various J2EE patterns like Singleton Pattern, Factory Pattern, Abstract Factory pattern, Data Access Objects, Session Façade, Adaptor (Wrapper) Pattern and deployment of J2EE applications on JBoss, Tomcat, IBM Web Sphere and Web Logic Application Servers.
* Developed JAX RS and Jersey Container for http REST Calls and web services using all formats of data for Transmission like JSON, XML, TEXT and others
* Designed web application using AngularJS, HTML5, CSS3, Bootstrap, ReactJS, Spring, and Mongo DB.
* Implemented code according to coding standards and worked on Angular Framework for Single Page Application (SPA).
* Implemented MVC design pattern to organize AngularJS controllers, custom directives, factories and views.
* Created custom directives and filters using AngularJS built-in $http service from controller through dependency injection.
* Implemented search functionality for the internet application using AngularJS.
* Worked with React.JS Virtual DOM and React views, rendering using components.
* Developed a Micro Service Oriented application with React JS in the front end and Spring Boot services.
* Used React JS in components like JSX, creating React components.
* Developed Java Beans and used custom tag libraries for embedding dynamic into JSP pages.
* JQuery and Node.js were used to provide dynamic features to the program.
* Involved in writing POJO classes and hbm mapping files to map database tables with Java objects.
* Involved in writing XML configuration file for Hibernate-Database connectivity.
* Used Spring annotations as well as XML configuration for dependency injection.
* Used SQL and PL/SQL queries for storing complex database objects like stored procedures, Triggers, Functions, and Packages.
* Responsible for all backup, recovery, and upgrading of all of the PostgreSQL databases.
* Implemented utility to download JSON files from AWS S3 buckets to MongoDB design and implemented REST web services which adhere to SOA (Service oriented architecture).
* Experience in using NPM, Webpack, Webpack-loaders, REST Web Services for package management and installation
* Worked with HQL (Hibernate Query Language) to write static queries while communicating JSF with Oracle database.
* Hooked up the JSP plugins with spring bind and JSTL tags in the HTML pages
* Worked on the Spring framework like Spring IOC and Spring DAO.
* Used JSF and Struts validation framework for application components validation.
* Worked with core layer of framework to implement View Controller in MVC Architecture and worked with spring MVC calls.
* Implemented Hibernate ORM in the persistence layer in conjunction with Spring Functionality
* Used RESTful Web services using Spring REST API and Apache CXF.
* Involved in working with WebLogic server for building and deploying enterprise Java.
* Involved in writing XML configuration file for Hibernate-Database connectivity.
* Implemented Micro-Services based Cloud Architecture using Spring Boot.
* Worked in a CI/CD environment with Jenkins, Maven, AWS and Terraform.
* Used Jmock and Mockito for mocking Web Services.
* Wrote test case automation scripts in Java and Selenium and used log4j for logging automated steps and script errors.
* Used GIT (Stash) tool as the source code repositories for all projects and Artifactory for all builds release repository.
* Worked on Docker engine and Docker Machine environments, to deploy the micro services-oriented environments for scalable applications, Docker swarm to host cluster and container scheduling, Docker compose to define multiple container applications.
* Troubleshoot, analyze, and check production issues in the existing EMS application and fixed bug in given timeframe.
* Participated in Architect and design of the components using a distributed architecture on AWS cloud platform.
* Worked on AWS Java SDK in eclipse to leverage AWS services programmatically from the IDE.
* Configure, monitor, and automate Amazon Web services as well as involved in deploying the content cloud platform on Amazon Web Services using EC2, S3 and EBS.
* Deployed a Microservice application utilizing most of the AWS services including S3, EC2, DynamoDB, Kinesis, SNS and SQS.
* Used JMeter to do load testing on newly written code to enhance performance.

**Environment:** Java 1.7, Core Java, Eclipse Mars, Tomcat 6.0.53, WebLogic 12.2.1, JSP 2.3, Servlets 3.1, Spring 4.0, Hibernate 5.2, RESTful Web services, XML 1.1, WSDL, JSF, MySQL 5.7, Maven, AngularJS 2.0, ReactJS, HTML5, CSS3, JavaScript, JSON, EJB, EMS, RDBMS, JQuery, JMeter, Cassandra, Micro Services, MongoDB, Oracle 11g, Spring Boot, PL/SQL, AWS, JAXB, OOP, GIT, Maven 3.3.1, JIRA, Jenkins, Junit, Log4J, Agile, Scrum, Windows.

**Client: Dealership advantage, Michigan**

**Role: Full Stack Java Developer**

**Duration: 2017 Mar – 2018 Sept**

**Responsibilities:**

* Get the functional requirements from business users for trade processing.
* Developed dynamic web pages using HTML5, CSS3, jQuery, React. Js, AngularJS, Bootstrap, CSS3 (SASS) and AJAX.
* Used ReactJS to populate the data tables on the front-end and retrieve data from the rest services
* Used the flux architecture in ReactJS for building client-side web application.
* Worked in React JS with Redux architecture.
* React JS tools are used to built server side java code script.
* Worked on creating log-in authentication modules using AngularJS and JavaScript.
* Worked extensively in dealing with cross browser issues using CSS, HTML and DOJO.
* Used JQuery JavaScript libraries for providing richer user interface and facilitates asynchronous request invocations using AJAX.
* Have implemented system enhancements using J2SE 1.8 features.
* Have used JMS topic/queue to send messages to dependent systems.
* Used JPA with Entity Beans for interacting with Persistence Layer for CRUD operations.
* Developed Rest architecture based webservices to facilitate communication between client and server.
* Experience in SOAP, JAXB, JAXP, JAX-RPC, XML/XSLT and WSDL for developing Web Services. Expertise in Web Services architecture in SOAP and WSDL using JAX-WS. Used SoapUI for Web Services testing.
* Created web services using SOAP for SOA to get data from Mainframes and content manager
* Worked in RDBMS implementation using SOAP, SQL, PL/SQL, MySQL on Oracle database.
* Implemented load-balancing with NGINX to allow dozens of Node JS instances to handle thousands of concurrent users.
* Developed and optimized services using NodeJS and ES6 as interfaces to Cassandra NoSQL database.
* Added dynamic functionality to the application by implementing jQuery, Node Js.
* Testing/BDD using Jasmine for JS unit tests and Cucumber for integration tests.
* Used a micro service architecture, with Spring Boot -based services interacting through a combination of REST and leveraging AWS to build, test and deploy Identity microservices.
* Developed Controller for request, response paradigm by Spring Controllers using Spring MVC.
* Used Spring boot to initialize configuration.
* Used Spring IOC for dependency injection.
* Have used Spring Security for authentication of user based on role.
* Bulk processing of trades has been done using Spring batch.
* Developed Hibernate in Data Access Layer to access and update information in the database.
* Used Hibernate/JPA to store the persistent data into database and written HQL to access the data from the database.
* Virtualized the servers using the Docker for the test environments and dev-environments needs. And also configuration automation using Docker containers.
* Used Jenkins for automating Builds and Automating Deployments
* Involved in editing the existing ANT/Maven files in case of errors or changes in the project requirements.
* Integration of Amazon Web Services (AWS) with other applications infrastructure.
* Design roles and groups for users and resources using AWS Identity Access Management (IAM).
* Implemented AWS solutions using EC2, S3, RDS, EBS, Elastic Load Balancer, Auto scaling groups, optimized volumes and EC2 instances.
* Fetched data using RESTful API as JSON response.
* Have prepared user manuals for newly implemented features.
* Have scrum calls in team to discuss user stories.
* Have resolved production issues post application deployment if any.
* Coordination between onsite and offshore team.

**Environment:** Java 1.7, J2EE, Jboss 8, Spring 4.0, Hibernate 4.2, SOAP, JSP 2.3, JDBC 4.1, Junit, AngularJS 2.0, ReactJS, XML 1.1, HTML, Maven 3.3.1, Eclipse Mars, JMS, HQL, SQL, CSS3, jQuery, Bootstrap, CSS3 (SASS), AJAX, DOJO, JQuery JavaScript DOM API, React JS-Redux, REST, JAXB, JAXP, JAX-RPC, XML/XSLT, WSDL, RDBMS, SQL, PL/SQL, MySQL, Oracle database, NGINIX, NodeJs, Jasmine, Cucumber, AWS, Docker, Jenkins, ANT, Maven.

**Client: Techno Brain, India.**

**Role: Java Developer**

**Duration: 2015 Jun – 2017 Feb**

**Responsibilities:**

* Analysis and Design of various modules using J2EE Architecture.
* Involved in various phases of Software Development Life Cycle (SDLC) on the application like Requirement gathering, Design, Analysis and Code Development
* Implemented responsive web-based applications using HTML, CSS, JavaScript, and jQuery.
* Worked with HTML, DHTML, CSS, BOOTSTRAP, JAVASCRIPT, JSON in UI pages.
* Developed client-side validation code using JavaScript and html validation attributes before they are submitted to the server.
* Developed webservices SOAP, WSDL and webservices clients using JAXB and XML, implemented SOA architecture.
* Developed client user interface using JSPs and Servlets.
* Created controller Servlets for handling HTTP requests from JSP pages.
* Involved in High Level Design and prepared Logical view of the Application.
* Involved in designing and developing of Object Oriented methodologies using UML and created Use Case, Class, Sequence diagrams.
* Implemented Multithread concepts in java classes to avoid deadlocking.
* Created Core Java Interfaces and Abstract classes for different functionalities.
* Written Spring Core and Spring MVC files to associate DAO with Business Layer.
* Writing JavaScript functions for various validation purposes. Writing Java Beans to contain data objects. Implemented session beans, entity beans and message driven beans.
* Used PL/SQL procedures.
* Experience in databases like Oracle, MySQL, DB2.
* Created Stored Procedure, Trigger for database access and events.
* Experience in configuring and deploying applications on WebSphere, WebLogic, Apache Tomcat and JBoss
* Developed and maintained Ant Scripts for the build purposes on testing and production environments.
* Expertise in Test Driven Development using Junit.
* Involved in providing the workaround for production issues and fixing them.

**Environment:** Java 1.7, J2EE, Jboss 8, Spring 4.0, Hibernate 4.5, J2EE, HTML, DHTML, CSS, Bootstrap, JSON, JavaScript, JQuery, SOAP, WSDL, JAXB, XML, SOA, JSP, Servlets, HTTP, UML, Multithread, Core java, Spring boot, PL/SQL, Oracle, MySQL, DB2, WebSphere, WebLogic, Apache Tomcat and JBoss, ANT, Junit,

**Client: Tecra Systems, India.**

**Role: Java Developer**

**Duration: 2014 Feb – 2015 May**

**Responsibilities:**

* Involved in Agile methods break tasks into small increments with minimal planning, and do not directly involve long-term planning and daily stand-ups, updating tasks.
* Involved in Analysis, design, coding, unit, and integration testing of business applications in an object-oriented environment.
* Implementing MVC Architecture using Spring Framework, customized user interfaces. Used Core Java, and Spring Aspect Oriented programming concepts for logging, security, error handling mechanism.
* Responsible for creating tables of clients’ information in and writing Hibernate mapping files to manage one-to-one and one-to- many mapping relationships
* Implemented data reading, saving and modification by stored procedures in MySQL database and Hibernate criteria.
* Installation and configuration of Development Environment using Eclipse with WebLogic Application server.
* Developed user interface using JSP, AJAX, HTML, CSS, JSP Tag libraries to simplify the complexities of the application.
* Worked on the jQuery JavaScript Library that simplifies HTML document traversing, and event handling.
* Created controller Servlets for handling HTTP requests from JSP pages
* Implemented JSP in Presentation layer programming using JSTL, AJAX, Development.
* Created SQL Map config files to create the sql queries, map the data and objects to retrieve data from the database. Injected objects using Spring dependency injection concepts
* Have worked on Oracle 10g data base for storing and retrieving the application data
* Implemented procedures, packages, triggers, and different Joins to retrieve the data base using PL/SQL, SQL scripts
* Connected to Web Services applications using AXIS and integrated it with maven and Spring.
* Maven is used to create build file and does Unit testing by creating Test Suites using JUnit Framework.
* Involved in code versioning, Check-In, Check-outs and code merging using SVN versioning tool.
* Responsible for creating tables of clients’ information in and writing Hibernate mapping files to manage one-to-one and one-to- many mapping relationships.
* On the server side, post the access to the application and provided result on the network using RESTful web service.
* Utilized various JavaScript and JQuery libraries bootstrap, angular JS, AJAX for form validation and other interactive features.
* Extensively worked with the retrieval and manipulation of data from the Oracle database by writing queries using SQL and PL/SQL.
* Involved in development of Junit Testing, debugging, and bug fixing.

**Environment:** Java 1.7, J2EE, Struts 2.2, Spring 3.0, MySQL 5.6, Hibernate 4.4, HTML 5, CSS 3, JavaScript, JQuery, Linux, Eclipse Kepler, SVN, WebLogic 12.1, XML 1.1, AJAX, JSON, JSF 2.2. Spring MVC, Spring Framework, JSP, AJAX, HTML, CSS, JSP, HTTP, JQuery, Oracle 10g, PL/SQL, Maven, Junit, SVN.