**Praveen V**

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**Sr. Full Stack Java Developer**

**PROFESSIONAL SUMMARY:**

* Over 8+ years of experience in design, development and Implementation of software applications using **Java, J2EE** and **front-end** technologies and methodologies like **Agile, Scrum, TDDandTesting using SDLC**
* Experience in development of webapplications using **Java/J2EE, Servlets, Hibernate, JSP, JSF, JSTL, Spring, EJB, JMS, ORM, JNDI, Web Services (SOAP, REST), E-Commerce, Micro Services, JDBC, JAXP, Swing.**
* Transaction implementation (CMP, BMP, Message-Driven Beans), **RCP/RAP, JMS, Struts, Spring, Swing**, **Hibernate, Java Beans, JDBC, XML, Web Services, Micro Services, JNDI, Multithreading Executor Services etc.**
* Proficient in developing front-end systems with **HTML/HTML5, CSS /CSS3, JavaScript, jQuery UI, DOM, AJAX,RWD, Bootstrap and JavaScript Frameworks like Node JS, Angular 2/Angular 4, React JS.**
* Expertise to make **SPA’s** better using **AngularJS directives** and **filters** and integratedwith **Spring forms**.
* Worked extensively with **Java8(Lambda Expressions),Multithreading**, and **Collections**.
* Developed applications using latest technologies like **EJB3.2, Spring 3.x/4.x, Hibernate3.2/4.x, and REST based Web services (Axis2.0.JAX WS 2.0, JAX RS), Rule Engines (Drools4.1, ILOG), JBPM tools.**
* Implementing **Micro services** to base on **Restful API** utilizing **Spring Boot** with **Spring MVC** and **Apache Kafka.**
* Strong understanding of **Micro Services patterns - Circuit Breaker/Hystrix, DDD, Aggregator and Proxy Chaining.**
* Good experience with **Spring boot standalone application, Integration, DAO, Security, AOP, Transaction, Batch**.
* Experience in Implementing **EAI** projects with **SOA** such as Apache Axis web services which use **SOAP**, **REST**, and **WSDL** and exposure to **JAXB, JAX-RPC, JAX-RS and JAX-WS.**
* Expert in HTML5/CSS3 development and have experience in Backbone.js, Require.js, Node.js, Angular.js, Knockout.js, Express.js,Underscore.js, React.js, Ember.js, Pdf.js, Spine.js, Ext.JS, Responsive design.
* Used **Apache Camel** for the Implementation of Enterprise Integration Patterns using an API to configure routing and mediation rules and integrated **Apache Camel** with **Spring Boot** and **MySQL Database.**
* Experience with streaming platforms like Apache Kafka and messaging services RabbitMQ, Zookeeper.
* Experienced in web Application servers like **Web Logic 10.0,JBoss 7.1.0, WebSphere 8** and **Tomcat 8**.
* Worked on **Spring Ribbon** for load balancing and used **fail safe** methodology using **Circuit Breaker pattern** with **Hystrix/Dashboard** on designing and implementing **Micro service** applications.
* Implemented a distributed messaging queue to integrate with **Cassandra** using **Apache Kafka** for integration and Data Processing with spring and for Multi-Threaded Message Consumption and **ZooKeepe**r to maintain services.
* Experience with **MongoDB** development (reports, schema design, map reduce functions) and migration from **SQL** relational database to **NoSQL** databases like **MongoDB, Apache Cassandra**.
* Extensive working with **Amazon web Services** like using **Elastic Beanstalk**, **EC2** and **AMI** with **Linux**.
* Experience in using various **AWS** components like **EC2** for virtual servers, **S3** and **Glacier** for storing objects, **EBS,Cloud Front, Elastic cache, IAM,Cloud Watch, Cloud Formationand Dynamo DB**.
* Experience with **Docker**containers, leveraging Linux Containers and AMI's to create**Docker Images/ containers**.
* **Testing environments like JUnit, Selenium and**front-end testing tools using **Jasmine, Karma and Protractor.**
* Experience on build tools **ANT, Maven, Gradle** and logging tool **Apache Log4j** and **CICD** tools **JENKINS, HUDSON** and Software Configuration Management using Version Control Software such as **SVN, CVS and GIT**.

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| **TECHNICAL SKILLS** | |
| **Languages** | **Java 1.8, J2EE, Python 3.6.0, Drools, SQL, PL/SQL, Scala** |
| **Web Technologies** | **SERVLETS 3.1, JSP 3.0, JavaBeans 3.0, Java Servlets API 3.0** |
| **Frameworks** | **Spring 4.3, Hibernate 4.3, Spring Security 3.2, Struts** |
| **Application/Web servers** | **Tomcat 8, IBM WebSphere 8.x/9.x, Jetty, Jenkins 2.50, WebSphere MQ 7.5** |
| **Relational Databases** | **Oracle 10g/11g/12C, SQL server 2012/2014/2016, MySQL 5.7, DB2 11.1** |
| **NoSQL Databases** | **MongoDB, Cassandra, Couch DB** |
| **Front-end Technologies** | **HTML5, CSS3, JavaScript 1.8, XML 2.0, jQuery 2.11, Angular 4, Node JS** |
| **Cloud Environments** | **Azure, AWS, Netflix Eureka, Mesos, Kubernetes.** |
| **Testing Tools** | **JUNIT,JMeter, Mockito.** |
| **Methodologies** | **Agile, waterfall, TDD, Scrum** |
| **Build Tools** | **Ant 1.10, Maven 3.3.9, Gradle 3.4.1** |
| **Web Services** | **SOAP 1.2, REST 2.0, JAX-WS, JAX-RPC, JAX-RS** |

**PROJECTS:**

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| **Client: Express Scripts - St. Louis, MO Oct 2017- Present** |
| **Role: Sr. Java Full Stack Developer** |
| **Description**: **The project deals with the capability to refill prescriptions on-line check an order status, and research**  **drug and health information and enables express to have multiple billers in place. Focuses especially on the cost**  **effective and appropriate delivery of prescription medications to the market and assists its customers to moderate**  **the cost and enhanced the quality of prescription drug benefits to the members nationwide.** |

**Roles and Responsibilities:**

* Worked in a highly dynamic **AGILE** environment and participated in **scrum** and sprint meetings.
* Developed UI screens using **HTML5, CSS3, JavaScript, Bootstrap, Angular, and NodeJS.**
* Implemented **Angular 4** services to connect the web application to back-end APIs andbuilt **Angular 4** applications with AOT which helped in performance of the webpage nearly 60% faster.
* Created **Typescript** reusable components and services to consume **REST API's** using Component based architecture provided by **Angular 4** and Built SPA with loading multiple views using route services using **Angular 4** and **NodeJS**.
* Worked extensively to achieve **DOM** Show**, hide elements** and **Event Handling**using **Angular**.
* Used in-built market place services of PCF for RabbitMQ config.
* Experienced on **Spring framework** applications like **Spring Core, Spring AOP, Spring MVC, Spring Batch, Spring Security** and **Spring Boot** and did integration to **Micro services** into existing system architecture.
* Worked on Thread handling to maintain continuity of execution and extensively implemented **Multithreading** concept to handle Transaction Management with isolation and propagation levels.
* Creating **REST** based Web Services by establishing links using **Hateoas** from spring-based Applications.
* **Spring Boot Microservices** were developed with microservice architecture using **REST** and **Apache Kafka**.
* **Implemented Fail Safe and circuit breaker patterns in Spring Boot Micro Service applications using Hystrix and monitored springmicro**-**services** using **CircuitBreaker.**
* **Designed Frontend with object-oriented JavaScript Framework like angularjs, Node.js, Backbone.js, Knockout.js, React.js, Spine.js, Ember.js,Require.js, Express.js,Pdf.js and Ext.js and Experience with client-side templating like Handlebars.**
* Developed data transformer for converting legacy data from Source tables to **Avro** format and fed into **Kafka** using **Camel** to process the file for multiple routes to different host locations**.**
* Worked with **Spring Ribbon and Kafka** broker service to handle heavy traffic.
* Developed Applications using Rule Engines **Drools 4.x**, and **ILOG** corresponding to validate the business User Roles.
* Involved in developing API’s and RESTAPI proxy using **APIGEE** edge and for sending mobile notifications.
* Worked with **DROOLS** enginefor **Spring integration** and validate business rule before executing in runtime.
* Developed the Web Services Client using **REST, RSDL**for verifying the new customer history to a connection.
* **Worked with Apache Tomcat 8 and NodeJS servers to deploy and configure Java API’s and front-end modules.**
* Strong Knowledge on **Hibernate** and **HibernateConnectionPooling**, **HQL**, **Collections**, **HibernateCaching**, **HibernateTransactionsHibernate mappings, EH cache, Lazy loading transactions.**
* Workedwith **Docker** to deploy **Micro-services** in modern containers to increase Isolation.
* Worked with **AWScloud** service in creating **EC2** instances and providing them roles and sometimes participated in writing custom policies and deployed applications on **Elastic Bean Stalk** and **EC2.**
* **Experience with building Docker Images and running them on Docker container.**
* Developed **Ansible** to manage Web applications, Environment configuration, Users, Mount points and Packages.
* Installed and configured the**ELK**for **Log management** within **EC2 / ELB Elastic Load balancer** for **Elastic Search**
* Performed **Query** operations on **AWS Dynamo DB** and captured the modification data on **Dynamo DB**.
* Involved in **AWSSQS** to interact with queue and giving roles to it and involved in writing **Custompolicies**.
* Developed **MongoDB** embedded documents from java code using spring data **MongoDB**.
* Using RabbitMQ as a Message Oriented Middleware for integrating applications.
* Installing, configuring and administering **Jenkins CI** tool using **Chef** on **AWS EC2** instances.
* Implemented a metrics collections for the server by utilizing Apache Kafka to stream server-side events.
* Used **MAVEN** as a Build Process and used generating Documentation, Reporting, and adding Dependencies.
* Used **Jenkins** as the integration tool and improved **scalability** of applications on **cross-platforms**
* Implemented **Swagger** for the Rest API. Deployed application into Dockercontainer and Docker consoles for managing the application life cycle and monitored on **Git**.
* **Used JUnit for unit testing and implemented with Log4j to provide logs of exceptions.**
* Used **GIT** and **Git bash** as a version Control and **JIRA for bug Tracking and Project Management and Mockito**for Unit Testing.

**Environment: Angular 4, HTML, CSS, Node JS, Log4j, Java 8, J2EE, Spring 4.3,Hibernate 4.3, RabbitMQ,** **Apache Kafka, Docker, AWS, Web Services,REST, Eclipse, JSON,WebLogic10.1, Backbone, Knockout, MongoDB, Junit, JIRA, Jenkins, GIT**

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| **Client: State of Florida, FL Aug 2016-Sep 2017** |
| **Role: Sr. Java Full Stack Developer** |
| **Description**: **The Florida Department of Children and Families is a state agency of Florida. The Office of Information Technology manages the Applications upgrades for the department to support platforms for the Family and Community Services program area.** |

**Roles and Responsibilities:**

* Designed, analyzed and developed the **front-end** and **back-end Servlets, Bootstrap** for designing**,Angular, HTML5, CSS3,**and **AJAX**for developing presentation layer**.**
* Developed and implemented **Swing, Spring and J2EE based MVC** framework for the application.
* Used **Spring MVC** components to implement business layer and **Spring** Boot for **Micro-services**.
* **Spring Transaction** is used for the degree of isolation to work with other transactions and to execute within a transaction scope to run that transaction and used to check out before timing out of the transaction.
* Used **multithreading** in programming to improve overall performance.
* Involved in payment status report for asynchronous exchange of information using **JMS.**
* Participated in creation of Spring Configurations using **Java8** features, **Lambda expressions, Streams, functional programming, date API.**
* Responsible for migrating existing modules in **IBM MQ** to **Apache Kafka** and worked on creating Kafka adaptors for decoupling the application dependency.
* Used Apache Camel with URIs to work directly with any kind of Transport or messaging model such as HTTP, ActiveMQ, RabbitMQ and JMS.
* Framework was set up for all current and future front-end projects to use backbone.js for framework, organized module definitions and unit tests.
* Implemented a metrics collection mechanism for the server by utilizing **Apache Kafka** to stream server-side events.
* Used **JSP** to dynamically generate web pages based on **HTML** and **XML** Document types. Use **JSF** to implement component based User Interface Applications. **JSON** used as the main data-interchange format in place of **XML.**
* Developed **Restful** Web services for other systems to interact with our system and secured the service with Spring-Security Oauth-2.0. Added WS-Security using **XWSS** to secure the **Web services.**
* **CRUD** was used as part of servlets where **DML** operations were required on **RDBMS** like **SQL DB’s**
* Created **RFP** microservice to provide **RESTful AP**I utilizing **Spring Boot** with Microservices.
* Used **Dependency Injection** feature for **wiring** and defined dependencies using constructor arguments.
* Implementation of data access layer has been cumbersome for a while and this was greatly resolved using **Spring JPA** through implementation of data access layers there by reducing boiler-plate-code.
* Used **Micro-services** to ensure the scalability of application on cloud infrastructure**.**
* Deployed **Chef** dashboard for configuration management to existing infrastructure.
* Designed **Chef** Modules to manage configurations and automate installation process.
* Configured **hibernat**e with **Spring ORM** as part of **Spring** and **Hibernate** Integration for best results.
* Utilized **spring core**, **AOP** and **security** to build robust business operations with transactional support.
* Fail-safe/fallback methodology was employed using **Circuit Breaker** Pattern (**Hystrix dashboard**).
* Developed unit and integration tests for existing microservices using **JUnit, Mockito** and **Docke**r environments.
* Developed the data access classes using **hibernate** and **SQLquery.**
* Implemented **REST API** on **Node** with **MongoDB** as backend.
* Worked on **Rest** Web services as well as **Node** Rest framework for backend services, used **Mongo DB (NoSQL)** for database services and **RESTful** web services using Jersey for **JAX-RS** implementation.
* Used **JBOSS** as the chief enterprise level server.
* Created **Hibernate** persistent and configuration files for **ORM** implementation
* **GUI** design and development using **Java Swing, JFC** Used for open source web testing.
* Developed **AWS LambdaFunctions** in a stateless style and ensure there is no affinity between and compute infrastructure to manage the servers and run the code in the **AWS.**
* **log4j** for runtime logging and **SVN** for version control.
* Used Continuous delivery/ Continuous Integration tools **Docker, Jenkins** to deploy this application to **AWS** and used **GIT** for version control of code for incremental development.

**Environment: Java, J2EE, HTML5, CSS3, jQuery, Angular, Node JS, AWS, Swing, Apache, RabbitMQ,** **JFC, Spring 4.x, Spring Boot, Spring Batch, Hibernate4.x, Rest, SASS, JAX-RS, JMS, NOSQL(MongoDB), Backbone, Knockout, JBoss,JUnit, Maven, Oracle 11g**,**JIRA, Git.**

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| **Client:AT&T - Middletown, NJ Aug 2015-July 2016** |
| **Role: Java Full Stack Developer** |
| **Description**: **The project was a web-based e-commerce application for AT&T wireless customers for their exceptional online shopping of various mobile devices like cell phones, tablets and accessories and allows users to shop for television and internet services from AT&T.** |

**Roles and Responsibilities:**

* Involved in System Analysis and Design methodology as well as **Object Oriented Design** and development using **OOAD** methodology to capture and model business requirements.
* Used AngularJS to create views to hook up models to the **DOM** and synchronize data with server as **SPA**.
* Created the **AngularJS**app using **Yeoman, Grunt** and **Bower** and used **Angular UI** for component model.
* Involved in Java **Multithreading** to cascade multiple changes on multiple records in only one transaction
* Used **Spring MVC** as Web module, involved in design, development of new Action classes to interact with business logic and Used **Hibernate** as **ORM** to map Java classes to data base tables.
* Used **Spring Dispatcher Servlet** to Handle the Mapping of the application and invoked various Controllers associated with the request. And used **Hibernate** for performing database transactions.
* Implementing or exposing the Microservices architecture with **Spring Boot** based Microservices interacting through a combination of **RESTful** and **RabbitMQ** message brokers.
* Implemented the function to send and receive AMQP messages on RabbitMQ synchronously & asynchronously and send JMS message on the edge device.
* Implemented the service layer using **Spring 2.5** with transaction and logging interceptors.
* Fixing the bugs and developing new enhancements using **JAVA**/**J2EE**, **spring**, **Hibernate**,IBM Web Sphere.
* Used **Spring** framework for middle tier and **Spring-hibernate** for data access.
* Used **multithreading** to improve performance in generating the reports in Java.
* Extensively developed User defined Custom **JSP** tags to separate presentation from application logic.
* Designed and developed Web Services **(SOAP, WSDL).** Created and compiled **XML** Schema to generate **JavaBean** classes using **Apache Axis** and worked with **JMS** and developed Message beans to consume messages.
* Deployed the Application into **Docker** container and made easily accessible at runtime using **Cloud Foundry** and other cloud services like **AWS, Netflix Eureka, Spring Hystrix** as fallback method, **SpringRibbon** for load balancing and a broker service to maintain status using **Spring Kafka** and **Zookeeper.**
* Implemented **Test Scripts** based on the User Requirements as specified by the **Business side** and **Requirement document** and analyzing **Business Requirements** and handling it as per Requirements.
* Used version control system **SVN** and **JIRA** for issue tracking and Used **Maven** as a build tool.

**Environment: Java, Angular JS, Servlets, JSF, Spring DI/IOC, Hibernate, XML, JBPM, HTML, JDBC, RabbitMQ,** **Web services, Web Services (REST), Multithreading, Backbone, Knockout,Web Logic Application Server, Junit, Maven, Log4J, SVN, Oracle10g.**

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| **Client:Brooks Brothers - New York, NYOct 2013- July 2015** |
| **Role: Java/J2EE Developer** |
| **Description**: **The application provides a stop shop for Implementation Managers (IM) to track their customers order progress from order submission to installation, it provides direct access to critical areas of orders, e.g. Order Alerts, Pending Work list, Customizable Tracking, Project Grouping, and Customer Letters.** |

**Roles and Responsibilities:**

* Involved in the analysis, design, and development and testing phases of Software Development Life Cycle.
* Developed N-tier client-server business application software using Model View Controller **(MVC)** Architecture.
* Used core Java **Collections, Generics, Exception Handling**, and **Design Patterns** for functionalityInvolved in writing different Design Patterns like **Filter, Action, Business Delegate, Service Locater, DTOs and DAOs.**
* Used Hibernate in persistence layer and developed **POJO's,Data Access Object** to handle database operations.
* **JSON** being light in nature was used as the chief source of communication between the server and application.
* Expertise in developing reusable and interoperable Web service modules based on microservices, **SOA** architecture using **SOAP** and **RESTful**andPreparation of **Java and JSP** coding standard checklist.
* Involved in the development of **Servlet, Struts Action classes, Business Objects, Web Services.**
* Involved in **Use Case Diagrams**, **Class Diagrams** and **Sequence diagrams** using **Rational Rose**
* **SOAP** has been used as a protocol to Communicate in the form of XML messages.
* Used **SOAP** for Web Services by exchanging **XML data** between applications over **HTTP.**
* Used **HibernateTransaction** Management, **HibernateBatch** Transactions, and **Hibernatecache** concepts.
* Implementing or exposing the Micro services to base on RESTful API utilizing **Spring Boot** with **Spring MVC.**
* Developed **Struts Action Forms**, **Action classes** and performed action mapping using **Struts**.
* Tested the Web services using **SOAP UI** and **Mockito framework**.
* Hands-on Experience on**Selenium Web Driver** to write user stories. Used **MAVEN** as a build tool in adding dependences with **PAGE OBJECT MODEL** design pattern and used **GIT** as a version control system.

**Environment: Java 1.5/1.6, Apache Axis, JSP 2.0, Hibernate 4.3, Servlets 2.5,WebLogic 10.3, XML, SOAP, WSDL, Oracle, Eclipse, JAXR, JAX-WS, JAXM, PL/SQL, Bean, Junit, JBOSS, Struts, Spring DAO, AOP, MVC, GIT.**

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| **Client:Info Vision Tech - Hyderabad, India Oct 2011-Aug 2013** |
| **Role: Java/J2EE Developer** |
| **Description**: **Dashboard is a credit card management system designed to maintain multiple groups in credit card management. It is a database maintenance tool used by business people in checking status of applications, QA people in launching applications and developers in creating, deleting and modifying applications. Dashboard is a Java based system built using Tomcat, Struts framework and Java Server Pages.** |

**Responsibilities:**

* Involved in gathering and analysing system requirements.Developed and supported all tiers of the application – **UI/Business Logic/Database**
* Using **Struts** Framework developed and implemented the web-based application following the **MVC**.
* Worked on impact analysis to migrate existing persistence layer to **Hibernate**.
* Designed the Front-end screens using **JSP, Servlets, HTML, and JavaScript.**
* Design & Development of User Interface module using **J2EE**, **JSP**, **Servlets** and **Struts** Framework.
* Extensive use of core Java **Collections**, **Generics**, **Exception Handling**, and **Design Patterns** for functionalities.
* Provided installation, configuration & maintenance of pre-prod and production Cloud environments including services such as **Tomcat, Apache, Jetty, MySQL, and Jira**.
* Exposed the Web Services to the client applications by sharing the **REST** Request and Response.
* Followed **agile** development model by directly interacting with business users and product teams, with very quick turn-around time.
* Developed the functionalities under **Agile Methodology JIRA** processes**.**
* Prepared documents containing detailed recommendations for **automation** and **support**, enabling business process improvements.
* The front-end **JSP** pages were developed using the **Struts** framework and were hosted in a **J2EE** environment on an **Apache Tomcat Server**.
* Installed, Configured and administered **Tomcat server**.
* Led and participated in weekly marketing meetings to build relationships with the marketing team and improve problem resolution process.
* Developed the application using **JSP, Java Servlet, XML**.
* Worked with **DB2** and Wrote **SQL** Queries, **Stored Procedures, triggers, views** and integrated SQL Queries into DAO.
* Implemented **entity beans** utilizing container-managed relationship for retrieving data.
* Worked extensively on **CROSS BROWSER** platform issues.
* Thoroughly Unit tested the application by writing test cases in **JUnit** for different scenarios.
* Involved in **testing**, **debugging**, **bugs fixing** and documentation of the system.

**Environment: Java, J2EE,JSP, DB2, Eclipse,Struts Framework, Rest Web Services, XML, Tomcat, Log4j,JUnit, JIRA.**

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| **Client:Icon Solutions - Chennai, IndiaJun 2010-Aug 2011** |
| **Role: Java/J2EE Developer** |
| **Description**:**Involved in development and testing of their Internet Banking System, an Online Banking Application developed in Java, HTML and Oracle, which enables Bank customers to access their accounts through the Web. The Application provides the Account Summary (balances, last deposits, etc.) for various accounts and it has also the provision to transfer the funds between various accounts.** |

**Responsibilities:**   
• Analyzed project requirements for the product. Involved in designing.   
• Interacting with the system analysts & business users for design & requirement clarification.   
• Used **J2EE**Design Patterns like Session Facade pattern.   
• Used **Struts** Framework to deal with functionalities like credit issues, invoice details.  
• Developed and debugged the servlets and EJB with **Jboss** Application server   
• Developed **JSP**s as per therequirements.   
• Used Connection Pooling to get **JDBC** connection and access database procedures.   
• Wrote complex SQL queries to retrieve invoice details and other financial elements etc.   
• Used **Log4j** as a debugging tool.   
• Developed UI modifications for uPortal using XSLT, DHTML, XML and JavaScript.   
• Used **CVS** repository for version control.   
• Extensively used Jboss application server for developing, building and testing the application.   
**Environment: JDK, J2EE, STRUTS, Servlets, JSP, XML, CSS, CVS, Jboss Application Server, ECLIPSE, AJAX, SQL Server, log4j.**