**Pooja K**

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| 9803279446 |
| [kpooja0816@gmail.com](mailto:kpooja0816@gmail.com) |

**Senior Java Full Stack Developer**

**Profile Summary:**

* Professional **Java/J2EE** Software Developer with 9+ years of focused experience of Web based applications with provisioning of groundbreaking and customized solutions to meet capricious industry requirements.
* Strong application development experience in using **Agile** Software Development methodologies like **Scrum, Sprint** and Traditional software models like **Waterfall and TDD**.
* Developed web-based enterprise applications using **core Java, J2EE, Servlets, JSP, EJB, JMS, JDBC, Hibernate, Web Services (SOAP** and **REST), MVC framework (Struts, Spring MVC), SQL and Object-Oriented Programming techniques.**
* Experience with and solid understanding of **Microservices**
* Proficient in developing **Web Services**, related technologies &frame works**: WSDL, SOAP, REST, JAX-WS, JAXB, JAX-RPC, AXIS and Jersey, SOAP UI** and generating client’s client using Eclipse for Web Services consumption.
* Proficient in core java concepts like **Collection Framework**, **Multi-threading**, **Generics**, **Annotations**, **Serialization, Thread pools, JavaBeans, Externalization.**
* Managed **Amazon Web Services** like **EC2, S3 bucket, ELB, Auto-Scaling, SNS, SQS, AMI, IAM, Dynamo DB, Elasticsearch, Virtual Private Cloud (VPC)** through AWS Console and API Integration.
* Proficient in implementation of frameworks like **Struts, Spring (Spring MVC, Spring Web Flow, Spring IOC, Spring AOP, Spring Security, Spring Boot, Spring Data, Spring Batch), JSF, AJAX** frameworks (**Rich Faces, My Faces**) and **ORM** frameworks like **Hibernate, IBATIS.**
* Expertise in developing **web pages** using **HTML, CSS, JavaScript, Typescript, J Query, Ajax, Angular** **4/6/8/9, Bootstrap, React JS, with** webpage cross browser compatibility and **responsive web design** and Server scripting language like **Node JS,** BackboneJS.
* Experience working with Hibernate/iBatis, XMLBeans,
* Used Java 8 Method References feature to point to methods by their names and used functional Interfaces
* Experience on different IDEs such as **RAD, Eclipse, Spring Tool Suite**, and **IntelliJ.**
* Actively involved in the DevOps streamlining process through **Jenkins CI** and **CD** Release Automation.
* Subversion **SVN, CVS, GIT** and Visual Source Safe as versioning software tools.
* Worked on deployment, installation, configuration and issues with Application servers like **Apache Tomcat, IBM Web Sphere, BEA WebLogic and JBoss Enterprise Application Server.**
* Expertise at **JDBC API** for connection and access to databases.
* Expertise in Creating **Hibernate configuration** file, **Hibernate Mapping** files and defined persistence classes to persist the data into **Oracle Database**.
* Extensively used **Apache Camel** for transformation and used both Java DSL and XML DSL.
* Experience in implementing Design Patterns like **Singleton, Factory, MVC, Data Access Object** and **Business Delegate.**
* Expertise in Web Front End Technologies **Struts, Tag Libraries** and **Struts custom validation rules, Tiles, JSTL, Java Script, DHTML** and **XML/XSL.**
* Proven ability in creating page Objects, data driven, keyword driven automation frameworks for J2EE based applications using **Junit, Selenium Web Driver, Mockito, Groovy Spock, TestNG Testing, Cucumber, Ant, Maven, Bamboo and Jenkins.**
* **Configured and created** application **log files using Log4J** to trace required application messages.
* Having Experience on **UNIX, Linux** commands and Deployment of Applications in Server and ability to work effectively on **Windows** platforms.
* Extensive experience working with RDBMS such as **MySQL**, **MS SQL Server, Teradata, DB2, Oracle.**
* Experience in working with the **NoSQL** Database like **MongoDB** to manage extremely large data sets.
* Expertise **XML** technologies like **DTD, XSD, XSLT** and various parsers like DOM, SAX and JAXB.
* Experience in design and development of J2EE applications with Servlets, Struts, Spring Framework, Web Services (SOAP &amp; REST), JDBC, Hibernate and ibatis.
* Experienced in developing UML diagrams with **Star UML, Rational Rose.**
* Used **Apache** **POI** to convert XML files to Excel files and to read Excel files.
* Experienced in transferring data from different data sources into **HDFS** systems using **Kafka** producers, consumers and **Kafka** brokers
* Solid Experience in creating a **Kubernetes** Clusters in **AWS** and deploying a **Docker** Image on top of **Kubernetes** Cluster.
* Extensively worked on **Pivotal Tracker** and **JIRA** tools for tracking stories in a Project in a different methodology of **Software Development Life Cycle**.
* Ability to work effectively in cross-functional team environments and experience of providing training to business user.

**Technical Skills:**

**Programming Languages:** Java, SQL, PL/SQL, JavaScript, jQuery, HTML5, CSS, C#, Python.

**Java Technologies:** Java, J2EE, JSP, Servlets, JDBC, JPA

**Frameworks Tools:** Struts, Spring MVC, Spring IOC, JMS, JSF, Log4J, SOAP, Spring Security, Spring Boot, Hibernate, JDBC

**Frontend Technologies:** HTML5, CSS3, JavaScript, jQuery, Angular 4/6/8/9, React, React Native, Vue.js,

Node.JS, XML, AJAX, JSON, Bootstrap

**Data bases:** Oracle, MySQL, Cassandra, MongoDB, DynamoDB

**IDE Tools:** Eclipse, IntelliJ IDEA, STS, Visual Studio Code, Atom, Sublime

**SOAP, RESTful, JAXWS, JAX:** RS, Microservices

**Web/App Servers:** Tomcat, Web sphere, Web Logic, Red Hat, Undertow, Jetty

**Development Methodologies:** Waterfall, Agile, DevOps

**Cloud Technologies:** AWS, AWS API Gateway, EC2, EBS, AWS Lambda.

**DevOps Tools:** Docker, Kubernetes, Jenkins, Maven, Gradle

**Testing tools/Others:** Junit, Mockito, Swagger, Jasmine, Karma, Mocha

**Version Control Tools:** SVN, GIT, GitHub, Bitbucket, GitLab

**Project Experience:**

**Client: Charles Schwab, ADA, MI Nov’2020 - Present**

**Role: Senior Java Full Stack Developer**

**Roles &Responsibilities:**

* Involved in various phases of Software Development Life Cycle (SDLC) such as requirements gathering, modeling, analysis, design, development, and testing.
* Implementing Service oriented architecture (SOA) and OOP concepts using **Web Services** like **SOAP, REST services.**
* Involved in creating and Deployment of RESTAPI and **Micro Services** in Java **J2EE** using **Spring Boot**.
* Developed service components which are exposed as Web Services using **RESTful** Web Services, developed service components to consume Web Services.
* Configured **AWS Identity and Access Management (IAM)** Groups and Users for improved login authentication, auto scaling the instances to design cost effective, fault tolerant and highly reliable systems.
* Created plugins to extract data from multiple sources like **Apache Kafka**, Database and Messaging Queues.
* Developed high Quality **RESTful services** with best practices using REST APIs and Spring Boot for Micro Services.
* Involved in analyzing **micro services** architecture challenges, design analysis, development of the user stories, assigning tasks, testing the application.
* Worked as part of the **Microservices** team to develop and deliver **Maven** projects to deploy on **Jenkins CI/CD** and also having experience in managing the **Docker** containers in **Kubernetes**.
* Contributed on Ubuntu Launchpad, **stack overflow** and many open source forums.
* Used Spring **Kafka** API calls to process the messages smoothly on **Kafka** Cluster setup and used Spark API to generate Pair RDD using **Java programming**
* Involved in designing User Interface (UI) applications and professional web applications using **JavaScript**, **Angular 6/8/9**, **Bootstrap**, **jQuery**, **HTML**, **CSS**, **DOM**, **XHTML**, **JSON** and **AJAX**
* Developing **RESTful** web services using **Node JS** and **Express JS** and used **Node JS** server to interact with the Rest services and database hosted on multiple load-balanced cloud instances.
* Worked with OpenShift platform in managing **Docker** containers and **Kubernetes** Clusters.
* Used Java 8 Method References feature to point to methods by their names and used functional Interfaces.
* Created **Restful** Web service for updating customer data from sent from external systems.
* Writing several complex **SQL queries** and Stored Procedures using **Hibernate** as the **ORM** Framework to interact with **Oracle Database** and perform transactions.
* Developed Angular services to make **Restful API** calls using Http and resource services to post and get data in **JSON** format.
* Implemented micro services using **Spring Boot**, spring-based micro services, and enabled discovery using the server.
* Maintained and expanded **AWS (Cloud Services)** infrastructure using **AWS Stack**, defined **AWS Security Groups** which acted as virtual firewalls that controlled the traffic allowed reaching one or more **AWS EC2 instances.**
* Creating alarms and notifications for **EC2 instances** using **Cloud Watch**
* Used **Spring, play/Akka** framework for the **MVC** implementation with **spring** for **Dependency Injection** and **Hibernate** as an **ORM** tool for database communication.
* Implemented different validation control on the webpages using **Angular 8**and developing a cross-platform application.
* Used **Spring Cloud**Config server to load the properties dynamically, Spring Eureka service registration and discovery client for maintaining instances and use a ribbon load balancer to balance the load between multiple instances of the same service.
* Developed applications in Java-based UI within **Angular 9** framework and **Node.js**, integrated with **TypeScript.**
* Utilized **Node.js, Socket.io, Redis, Supervisor, Grunt, Yeoman, and Angular** for scalable website architecture and real-time technology.
* Hands-on experience in using message brokers such as **ActiveMQ** and **RabbitMQ**.
* Designed, analyzed and developed the front-end and back-end Servlets, Bootstrap for designing, HTML5, ES6, CSS3, Ajax, Angular 8, React JS for developing presentation layer.
* Installed the application on **AWS EC2 instances** and configured the storage on **S3 buckets.**
* Good knowledge of providing authentication and authorization for web services using **OIDC(Open ID Connect)** on top of **OAuth 2.0**.
* Worked on **AWS** services to deploy static websites and dynamic Web Apps on EC2 using Elastic Beanstalk and Elastic Container Service-**Docker**. Designed and developed **Micro Services** business components using Spring Boot, configured DB2 as per Adobe experience Manager schema.
* Used Apache **Maven** as a Build tool, in order to automate the build process and deployment of the application and debugging through logging frameworks like **log4j**.
* Used automating functional and regression testing through **Protractor**, for the End-to-end testing framework for Angular application.
* In-depth experience in **API** testing (**REST**) of web services using **Rest Assured**, Postman, while scenarios integrating with the Cucumber scenario.
* Tested REST web services using **SoapUI**, Advanced Rest Client and **Postman**.
* Performed **GitHub** bash and Terminal commands to clone, fetch, merge, pull, and push the code.

**Technologies Used**: JAVA/J2EE, Microservices, Spring Boot, Node.JS, iBatis, Bootstrap, Java 8, SQL DB, Oracle, stack Overflow, Apache Kafka, RESTful, Hibernate, JSON, Spring Cloud, OAuth2.0, Angular 6/8/9, HTML, CSS, JS, AWS, Git, Docker, Kubernetes, Junit, Mockito, Cucumber, Protractor, Jenkins, SonarQube, Maven, Log4j, Jira

**Client: SMBC Group, El Segundo, CA Jun’2018 – Nov’2020**

**Role: Java Full Stack Developer**

**Roles & Responsibilities:**

* Design and development applications using Rational Unified Process (RUP), UML and OOAD and created Use Cases, Class Diagrams, Sequence Diagrams using Rational Rose.
* Designed and developed web-based software using Spring MVC Framework and Spring Web Flow.
* Developed Java server Pages using JSP Tags, Spring-tags, minimal Scrip lets, HTML for client-side validation and errors to ease troubleshooting
* Provided **Java programming** support for existing and new applications.
* Developed the view components using **CSS, HTML5, JavaScript**, J Query and form beans.
* Worked on **JavaScript, J Query** and Servlets to generate dynamic web pages and web contents.
* Experience in server-side development using features of **Java 8 – lambdas and streams, Multi-threaded Programming, Data structures, Algorithms and Collections framework and design patterns.**
* Developed front-end content using **HTML5**, **CSS3**, **JSP** and client-side validations using **JavaScript** and various **JS** frameworks.
* Created connections to database using Hibernate Session Factory, using **Hibernate** APIs to retrieve and store data to the database with **Hibernate** transaction control.
* Used Spring Security to provide JWT based authentication, authorization and access-control features for the application.
* Implemented Micro Services based Cloud Architecture on Amazon Web Services (**AWS**) Platform and Cloud Foundry.
* Developing or maintaining a production-level cloud-based architecture in **AWS**, including creating machine Images like **AMI.**
* Experienced in **React JS** and working with **React** Flux architecture. Experienced in working with Redux architecture.
* Implemented modules into **Node JS** to integrate with designs and requirements.
* Worked on AWS, High Availability Practices and deploying backup/restore infrastructure.
* Deployed application updates to **AWS EC2** and monitored the load balancing of different instances and used **AWS IAM** for access management.
* Worked on Lambda Expressions, Functional interfaces stream API’S , time API, and improvements on collection, concurrency, and IO improvements by using Java 8
* **Core Java development** and Support of **Java/J2EE** applications with emphasis on OOP-based web forms, business logic, database access components.
* Developed batch jobs using **Spring batch** and **Spring** scheduling to process **XML** files received from other systems.
* Expert in **HTML5/CSS3** development and have experience **React.js**, **Angular 4** Responsive design.
* Implemented **Micro Services** into existing system architecture. Developed **Micro Services** business components and **RESTful** service endpoints using **Spring Boot**.
* Developed user interface by using the **React JS.**
* Used **react-bootstrap**for styling and responsive web design
* Defined **Hibernate** Named Queries for performing batch while defined Criteria Queries for **Micro service**.
* Developed the User Interaction/GUI Screens using **HTML**, **JSP**, **Servlets**, **AJAX**, **Java script**, and **CSS**.
* Developed User friendly interface to seamlessly combine the new module with existing login system using **React JS.**
* Used **Angular 4** directives such as ng-model, ng-bind, and ng-repeat to display data from **Angular 4**
* controllers.
* Extensively worked on business, front end and persistence tier using the **JSP**, **Servlets**, **Spring MVC**, and **JSON**.
* Used **design patterns** like Front controller, DTO, Singleton, Facade, Factory design patterns.
* Used **Docker** as a container for **Creating**, **Deploying** and running application.
* Deployed applications in **Kubernetes Clusters,** running on **Docker Hub**.
* Deployed **Spring Boot** based **Microservices** in **Docker** and **Amazon EC2** container using **Jenkins**.
* Involved in complete Agile/SDLC Requirement Analysis, Development, System, and Integration testing.

**Technologies Used**:HTML5, CSS3, JavaScript, jQuery, Ajax, iBatis, Angular 4, AWS, Java 8, Micro Services, Spring, Spring Boot, Spring Security, Spring batch, Spring MVC, React JS, JUnit, J2EE, Node JS, Gradle, JMS, RESTful, Agile Methodology, React Js, Web Sphere.

**Client: Chewy, Dania Beach - FL Mar’2017 – May’2018**

**Role: Java/J2EE Developer**

**Roles & Responsibilities:**

* Develop presentation tier using **JSP, Java Script, HTML**, and **CSS** for manipulating, validating, customizing, error messages to the User Interface.
* Used design specifications & Developed communication between Client and server using **multi-Threading.**
* Creating automation and deployment templates for relational and **NOSQL databases** (standalone and RDS), including **MSSQL, MYSQL**, in **AWS.**
* Involved in implementation of enterprise integration with Web Services and Legacy Systems using **SOAP**, and **REST** (Using Axis and Jersey frameworks).
* Participated in coding **Spring AOP** components for the Logging, Exception handling and Transactional Model to handle many requests.
* Extensively used Java 8 features such as lambda expressions, parallel operations on collections, multithreading and for effective sorting mechanisms.
* Experience on configuring auto scalable and highly available microservices set with monitoring and logging using **AWS, Docker, Jenkins** and **Splunk**.
* Used **Bootstrap-Twitter** to add front-end features for social communication in the application.
* Wrote application level code to interact with the backend databases using **JQUERY, AJAX,** and **JSON.**
* Used **Java Message Service (JMS)** for reliable and asynchronous exchange of important information for status report.
* Used Hibernate, object/relational-mapping (ORM) solution, technique of mapping data representation from **MVC** model to **Oracle** Relational data model with **SQL**-based **schema**.
* Extensive experience in designing both Front end & Backend applications using Java, J2EE Web frameworks, JSP, JSTL, HTML, CSS, Angular 2 and Angular 4, Angular 8, AJAX, JavaScript, jQuery, Bootstrap
* Configured **Apache Kafka** Consumer and Producer metrics to visualize the **Kafka** system performance.
* Developed **SOAP** based web services using **WSDL, SOAP**, **JAX-WS** and **AXIS**.
* Produced as well as consumed **RESTful web services** using Jersey API's.
* Worked with **GIT** which is used as a version control tool in the project.
* Support & Enhancement to the existing implementation of correspondence components which are developed using **EJBs, JPA** and **Web Services / JMS** Technologies.
* Used **Rabbit MQ** as Java Messaging Service for producing and consuming data between applications.
* Utilize Camel to integrate micro services with other **micro services** and **Rabbit MQ** messaging exchanges
* Done with Unit testing using **JUnit** and **Mockito**.
* Worked on setting up **Maven scripts** to build, package, and deploy application code to the target **Apache Tomcat Servers** and worked on continuous integration servers like Jenkins.
* Configured **Jenkins** in **Micro Service apps** for deploying and implemented **Jenkins** for the central build.

**Technologies Used**: Java, J2EE, Spring MVC, IOC, AOP, Restful Web Service, Java 8, Multithreading, Hibernate, Eclipse, NodeJS, CSS3, HTML5, Web logic Server, WSDL, SOAP, JAX-WS, AXIS, Jersey, Tomcat, Oracle 11g, Oracle SQL Developer, Jenkins, Docker, Kubernetes, Linux, PaaS, Photoshop, Kafka, GIT, JIRA.

**Client: Addive, India Sep 2013 – Nov’2016**

**Role: Java Developer**

**Roles & Responsibilities:**

* Worked with **core java concepts** such as Oops, Multi-threading, collection framework and Exception handling
* Designed and developed application based on **MVC design** pattern using **struts Framework**
* Used **SVN** for version controlling and **JUnit** for unit testing
* Involved in writing and invoking the **Spring MVC calls.**
* Designed and developed the UI using **Struts view component, JSP, HTML, CSS,**and**JavaScript**
* Consumed **SOAP** and Restful web services in **SOA** environment and used **SOAP UI** for testing.
* Used **Web services** (**SOAP**) for transmission of large blocks of **XML** data over **HTTP**
* Created flows on messaging using **ActiveMQ**.
* Used **Apache Axis** Service Engine for creating and deploying Web Service clients using **SOAP.**
* Utilized **Hibernate** for Object/Relational Mapping purposes for transparent persistence onto the **SQL SERVER**
* Implemented the application using Spring **IOC**, Spring **MVC** Framework, Spring **AOP**, **Spring** **Boot**, **Spring** **Batch**, and handled the security using Spring **Security**.
* Designed and developed the End Points (Controllers), Business Layer, DAO Layer using **Hibernate**/**JDBC** template and **Spring IOC** (Dependency Injection).
* Used streams and lambda expressions available as part of Java 8 to store and process the data.
* Developed back-end interfaces using embedded **SQL, PL/SQL packages**, stored procedures, Functions, Procedures, Exceptions Handling in **PL/SQL** programs, Triggers.
* Developed **Struts** Action classes using Struts controller component
* Extensively used **JUnit** for unit testing, integration testing and production testing.
* Used **JIRA** to assign, track, report and audit the issues in the application.

**Technologies Used**: Core Java, J2EE, iBatis, JSP, HTML, CSS, Spring, MVC, Java 8, SOAP, SQL Server, Struts, SVN, Junit, Active MQ, Maven, IBM Web Sphere Application Server.

**Education:**  Bachelors in Computer Science and Engineering, Sri Venkateswara College, Tamil Nadu.