**Name: Abhilash P**

**Phone: +1(361)-210-8639**

**Email ID: abhilashyadav339@gmail.com**

**PROFESSIONAL SUMMARY:**

* Around **8 years** of experience working as a **Full Stack Java Developer** in designing, developing, deploying, and maintaining web-based, client/server applications along with Enterprise and Distributed applications.
* Expertise and good understanding in **Java** programming, **OOPs, Collections, Annotations, Concurrency, Multi-Threading, Exceptions Handling, Input/output (I/O) System, Lambda and Generics.**
* Developed and deployed **Microservices** based applications using **Spring Boot** along with **Spring REST**.
* Experience on Object Oriented Design Patterns such as **Singleton Pattern, MVC Pattern, Factory Pattern, Façade Pattern and DAO Pattern** with good understanding of UML Modeling.
* Hands on experience working with the **Java1.8** and implemented the new feature like **Lambda Expressions, Streams, Java Time API.**
* Expert level experience with Web based Application design & development using Java/ J2EETechnologies like **JSP, JSF, jQuery, JavaScript, Angular JS**, **React JS, HTML5, CSS, XML and JMS.**
* Solid expertise in the development of **Micro-services** using **Spring Boot** to build multiple modular applications that are physically separated which will improve scalability, availability, and agility of application.
* Extensive experience in various modules of Spring framework like **Spring IOC, Spring MVC, Spring Security and Spring Boot, Spring Data, Spring Batch, Spring ORM, Transaction Management.**
* Hands on experience in implementing the persistence logic using **JDBC, JPA, Spring JDBC, Hibernate** framework.
* Expertise in implementing Service Oriented Architecture by using **RESTful** web services.
* Good experience in development of applications using **MVC Framework** Struts with Struts validation, Struts Tiles, Struts Tag Libraries, Action Class and Action Form.
* Worked with **Jersey** API in the implementation of **RESTful** and **SOAP** web services with strong knowledge on **JAX-RS** annotations.
* Hands-on experience in building application with **Maven** and **Gradle**.
* Used **AWS** **Glue** catalog with crawler to get the data from S3 and perform SQL query operations.
* Expertise in AWS **management** console as well as the **AWS command line interface (CLI)** AWS reference architectures and should have experience gathering requirements, working with customer to define solutions based on **AWS.**
* Expertise in converting **AWS** existing infrastructure to server less architecture (**AWS Lambda**, **Kinesis**) and deployed via **Terraform** or **AWS Cloud formation.**
* Experience in Core **AWS** services, including networking with **VPCs**, **computing with EC2**, **storage with S3**, Elastic Load Balancing, RDS for databases, monitoring with CloudWatch, CloudTrail, and access management with IAM
* Good expertise on building scalable web service architectures with various relational **MySQL**, **Oracle DB** as well as functions and queries in PostGRE SQL database.
* Having knowledge on **NoSQL** databases like **Cassandra** and **MongoDB, Elastic search**.
* Experience with messaging systems like **Kafka**, **Kafka event sourcing**, **ActiveMQ** and **RabbitMQ**.
* Experience in creating and handling real time data streaming solutions and handling messaging services using **Apache Kafka**.
* Good understanding of **Splunk** by using it for the engineering dashboards used by the developers for easy track of application health.
* Good Experience working with the SDLC methodologies like **Agile Scrum, TDD and Waterfall.**
* Experience in using IDE tools like **Eclipse, NetBeans, IntelliJ IDEA**
* Experience in using Ant, Maven build tools.
* Performed unit and integration test by writing **JUnit test** cases using Junit Frameworks like **Mockito**.
* Good experience working with **Continuous Integration and Deployment (CI/CD)** tools like **Jenkins, Docker.**
* Experience with container-based deployments using **Docker**, working with **Docker images** and **Docker Hub.**
* Used **Kubernetes** to orchestrate the deployment, scaling and management of **Docker** containers.
* Experience in using version control and configuration management tools like **GIT** and **CVS**.
* Set up **Jenkins**server and build jobs to provide continuous automated builds based on polling the **Git** source control system.
* Strong analytical, interpersonal and communications skills. Demonstrated track record of analyzing situations, implementing in a fast-paced environment.
* Excellent team player, very dynamic, flexible with positive attitude and excellent learning skills.

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| **Programming Languages** | C, C++, Java, PHP, PL/SQL, UNIX Shell Script |
| **Java/ J2EE Technologies** | Servlets, EJB, JSP, JSF, JDBC, SOAP, WSDL, REST, XML, JAXP, JAXB, JPA, JMS, Spring3.x/4.x/5.x, Hibernate, Spring MVC, Spring Boot, Spring Data, Spring Batch |
| **JavaScript Framework** | GIT, SVN, Bitbucket, GitLab, GitHub, TFS |
| **Frameworks & API’s** | Struts, Spring, Spring Boot, Hibernate, JSF, iBATIS, JPA, Angular JS, Angular 2.0,4.0,6.0, Backbone JS, D3, React JS, NodeJS |
| **Web Technologies** | JSP, JavaScript, jQuery, XML, XSLT, HTML, DHTML, CSS, JSON, Adobe Flex, Spring MVC, Angular JS, Angular 2.x/4.x/6.x, NodeJS |
| **DevOps Tools** | Docker, Kubernetes, Amazon Web Services (EC2, Glue, S3), Jenkins |
| **Application Servers** | Oracle Web logic, IBM Web Sphere, JBoss, Glassfish, Apache Tomcat |
| **Web Servers** | JAX-RS, JAX-WS, Apache CXF, Axis, Jersey |
| **Testing Tools** | Junit, Mockito, Jasmine, Karma, Mocha, Chai, Spock, Protractor |
| **Build & Configuration Tool** | Ant, Maven, Gradle, Jenkins |
| **Project Management Tools** | JIRA, Rally, Microsoft Project |
| **Version Control Tools** | GIT, SVN, CVS, Bitbucket, TFS |
| **Methodologies** | Agile SAFE, TDD, Waterfall |
| **Operating System** | Windows, Linux, Unix, MAC OS X |
| **IDE’s** | Eclipse, Visual Studio, IntelliJ, Spring Tool Suite, Sublime Text, WinSCP, Putty |

**PROFESSIONAL EXPERIENCE:**

**Client: Charles Schwab, West Lake, Texas Feb 2020 – Present**

**Role: Full Stack Java Developer**

**Responsibilities:**

* Involved in **SDLC** Requirements gathering, Analysis, Design, Development and Testing of application developed using Agile methodology.
* Migrating existing application into **REST** based **Micro services** to provide all the **CRUD** capabilities using **Spring Boot**.
* Used **Spring Boot** which is radically faster in building cloud **Micro Services** and develop **Spring** based application with very less configuration.
* Implementation of the design wireframe using **Angular 8** and creating services and exposing it to the backend which runs on **Spring Boot**. Here we also have another layer that makes use of NodeJS used for authentication, authorization, and session maintenance.
* Developed independent **Microservices** using **Spring Boot Rest Controller** model and are deployed on UNIX boxes.
* Used **Spring MVC** and **Dependency Injection** for handling presentation and business logic.
* Involved in creating the **Hibernate POJO** Objects and mapped using **Hibernate Annotations.**
* Implemented **Spring JPA Repository** for the persistence layer of the application (this layer communicates with the application DB - Oracle DB).
* Use **Spring Boot** with Annotations in integrating different layers within the application.
* Data Operations were performed using **Spring ORM** wiring with **Hibernate.**
* Implemented customer side validations using **Angular 8.0** and created services on UI for storing and retrieving data from UI to the backend.
* Extensively used **JSON** to parse the data from server side to satisfy the business requirement.
* Implemented features like logging, session validation using **Spring AOP module** and **Spring IOC.**
* Extensively worked on developing **REST** based **Webservices** and consumed them as needed.
* Consumed **JSON RESTful Webvert Services** and sent responses with **Spring MVC.**
* Used **Spring Security** for Authentication and Authorization of the application.
* Configured **Kafka** to handle real time data. Implemented Kafka producer and consumer applications on Kafka cluster setup with help of **Zookeeper.**
* Worked on **Kubernetes cluster** as a part of deployment activity. Familiar with Open Shift commands for deployment.
* Utilized **Kubernetes** for the runtime environment of the **CI/CD** system to build, test deploy.
* Used combination of **REST** and **Apache Kafka** message brokers to produce and consume centralized spring Restful web services in **JSON** format.
* Developed DAOs layer using Cassandra big database and implemented **RESTful** web services that persists high-volume of data.
* Experience in installation of **ELK stack**, setting up all the required attributes and monitored the infrastructure implementation.
* Implementing or exposing the Micro service architecture with Spring Boot based services interacting through a combination of **REST** and **Apache Kafka** message brokers.
* Used Maven build tool for creating **JAR** files and automate the process of building **Docker Images** and pushing them to **Docker Private Registry**.
* Worked on deploying the applications in **AWS** as **EC2 instances** and create snapshots for the **EBS** volumes.
* Migrated an existing on-premises application to **AWS**. Used **AWS** services like **EC2** and **S3** for small data sets processing and storage, **Experienced** in Maintaining the Hadoop cluster on **AWS EMR**.
* Used **AWS SDK** for connection to **Amazon S3** buckets as it is used as the object storage service to store and retrieve the media files related to the application.
* Used Amazon Identity Access Management (**IAM**) service to create groups & permissions for users to work collaboratively.
* Developed a **custom logging microservice** using the technologies **Angular 6,** **Node JS** and **Oracle DB** which can be integrated into the existing application modules to log all the actions performed on the files like **Approve, Cancel, Export** etc.
* Used AWS Redshift, S3, Spectrum and Athena services to query large amount data stored on S3 to create a Virtual Data Lake without having to go through ETL process.
* Created reusable components and services to consume **RESTAPIs** using component-based architecture with **Angular 6.**
* Managed Amazon Web Services like EC2, S3 bucket, ELB, Auto-Scaling, SNS, SQS, AMI, IAM, Dynamo DB, Elastic search, Virtual Private Cloud (VPC) through AWS Console and API Integration.
* Implemented ETL Processes in AWS Glue to migrate Campaign data from external sources like S3, ORC/Parquet/Text Files into AWS Redshift
* Implemented **Angular 6** services to connect the web applications to the back-end API.
* Integrated the UI components using **JSP, HTML, CSS, JavaScript, AngularJS**.
* Followed **Scrum/Agile methodology** with daily meetings to keep track of the progress and issues pertaining to the projects.
* Used the **AWS-CLI** to suspend an **AWS Lambda** function processing an **Amazon Kinesis stream**, then to resume it again.
* Created and managed Kinesis streams configured logs in Splunk from AWS cloud watch.
* Used **JUnit** framework and **Mockito** framework for unit testing and integration testing.

Environment: HTML5, CSS3, Angular 6, NodeJS, Express JS, JWT, OAuth 2.0, JIRA, GITLAB, Jenkins, Jasmine, Mocha, Cucumber, AWS EC2, AWS S3, EMR Splunk, Swagger API, Agile Methodology, Oracle, PL/SQL, ETL, ZUUL Gateway, Mongoose Connector, Oracle, JBoss, Kibana, Elastic search, Logstash, EBS, Elastic Load Balancer, Docker, Apache tomcat, Selenium, Spock, Karma, Jasmine, Mockito, Junit, mock MVC, Kubernetes.

**Client: Comcast, Philadelphia, Pennsylvania June 2018 – Jan 2020**

**Full Stack Java Developer**

**Responsibilities:**

* Involved in discussions with the client to discuss and understand various components of the requirement and to implement the same.
* Designed and developed custom message adapter components using Apache Kafka that allowed message to travel through **Micro services** to base on RESTful API utilizing Spring Boot with Spring **MVC**.
* Extensively worked on Implementing **Spring Boot Micro Services** to divide the application into various sub modules.
* Developed **Micro services** using **Spring Boot, Spring Cloud with Netflix** Eureka to create the Discovery Server, service, discovery clients and integrated Apache Kafka and Zookeeper as message Broker.
* Implemented Bean classes and configured **in Spring configuration** file **for Dependency Injection**.
* Implemented the web application using Stack MEAN technologies (MongoDB, Express, Angular 5, Node.js) along with HTML5, CSS3, JavaScript, jQuery, Bootstrap, and other web technologies.
* Experience using **SOAP** **UI** for testing web services. Created **JUNIT** test case for various functional modules, modified, debugged, and executed using **JUNIT** plugin to **Eclipse** **IDE**.
* Spring **JDBC** used retrieve and update, inserting data in **MySQL** database with use of stored procedures.
* Worked on automated deployment tool using **Kubernetes** to deploy quickly and predictably.
* Also used **Kubernetes** to orchestrate the deployment, scaling and management of **Docker** Containers.
* Building cloud Micro services and implemented back-end using Spring Boot.
* Involved in creating and extracting data from database using **SQL Queries** in **MySQL** database.
* Developed **REST** services using Node-JS, Express-JS, Body-Parser, Mongoose, Underscore-JS, and other node modules to serve the web application with JSON data.
* Worked with HTTP/HTTPS protocols by using Angular 5 components to build microservices in Node JS.
* Used Angular.js and NodeJS to create Views to hook up models to the DOM and synchronize data to from server.
* Developed Controller Classes using **Spring MVC, Spring AOP, Spring Boot,** handled securityusing **Spring Security.**
* Integrated **REST API** with **Spring** for consuming resources using **Spring Rest Templates** and developed **RESTful web services interface** to Java-based runtime engine and accounts.
* Used Mongoose API to access the Mongo DB from Node JS and used Angular CLI and NPM for scaffolding the Angular 5 Application.
* Designed, developed, and maintained the data layer using **Hibernate** and performed configuration of **Spring** Application Framework.
* Used **XML, WSDL, UDDI, SOAP** Web Services for communicating data between different applications.
* Worked on highly advanced user interface design and development using Angular2, Node JS, ES6, HTML, CSS and Bootstrap.
* Used the Java Collections API extensively in the application as security protection for **XML, SOAP, REST and JSON** to make a secure Web Deployment.
* Developed Jersey **Restful** Framework of **spring** for consuming and producing web services.
* Developed server-side services using **Java, spring, Web Services (SOAP, Restful, WSDL, JAXB, JAX-RPC).**
* Used Postman to test the API workflow tested on the **JSON** files which are generated by the NodeJS, **ExpressJS**.
* Extensively used **log4j** to log regular debug and exception statements.
* Implemented Spring boot microservices to process the messages into the Kafka cluster setup.
* Wrote Kafka producers to stream the data from external rest APIs to **Kafka** topics.
* Created partition of Kafka messages and setting up the replication factors in Kafka Cluster.
* Worked with AWS Athena using SQL statements to fetch data from schema’s inferred by AWS Glue.
* Deployed **Spring Boot** based micro services and **Docker** container on **AWS** EC2 instance.
* Designed **Java API** to connect the **Amazon S3** service to store and retrieve the media files.
* Using **Amazon RDS** hosted the **MySQL** database in the cloud.
* Worked on **Docker container** snapshots, attaching to a running container, removing images, managing director structures and managing containers.
* Used Continuous delivery / Continuous Integration (CD/CI) tools Docker, Jenkins to deploy this application to AWS.
* Prepared and executed test cases for Unit and Integration testing using Spock and Groovy.
* Involved in the development of presentation layer and **GUI** framework using **ReactJS** and **HTML**.
* Involved in rendering additional components with custom **HTML** tags using **ReactJS**.
* Performed code review and unit tested the application using Junit framework. Participated in the **production support** and **maintenance** of the project.

**Environment**:HTML5, CSS3, Angular 6, NodeJS, Express JS, JWT, OAuth 2.0, JIRA, GITLAB, Jenkins, Jasmine, Mocha, Cucumber, AWS EC2, AWS S3, Splunk, Swagger API, Agile Methodology, Oracle, PL/SQL, ETL, ZUUL Gateway, Ajax, Bootstrap 3.0, Angular 6.0, JSON, OAuth 2.0, JUnit, Mockito, Maven, Kafka, Cassandra, RESTful, SOAP, JIRA, Micro Services, Log4j, Splunk, Jenkins, Docker, Kubernetes, Git, Jenkins, LoadRunner and Spring Tool Suite.

**Client: eBay,** **Seattle Washington Jan 2017 – May 2018**

**Role: Java/J2EE Developer**

**Responsibilities:**

* Involved in complete software development life cycle with object-oriented approach of client’s business process and continuous client feedback. Worked on designing and developing a complete service-oriented system based on **SOA** principles and architecture in agile development environment.
* Employed **Agile Model** and best practices for software development.
* Involved in developing the **CSS** sheets for the UI Components.
* Developed web-based application using **spring** framework for MVC architecture.
* Setting up the basic project set-up from scratch of **Spring-Hibernate** App based on Design.
* Used **Spring Framework AOP Module** to implement **logging** in the application to know the application status. Used **Spring DAO Module** along with Hibernate Framework to deal with Database.
* Designed, configured, and deployed Amazon Web Services (**AWS**) for a multitude of applications utilizing the Amazon Web Services focusing on high-availability, fault tolerance and auto-scaling.
* Flink installed the application on **AWS** **EC2** instances and configured the storage on **S3** **buckets**.
* Worked with the Node package manager (**NPM**) along with Grunt and Bower for the build.
* **Spring MVC Framework IOC (Inversion of Control)** design pattern is used to have relationships between application components. It is also used to separate the application configuration and dependency specification from the actual application code
* Extensively worked on **JPA** as persistence layer, involving **Hibernate** to persist the Java objects as Entities in the database.
* Involved in development of **REST Web Services** using **SPRING MVC** to extract client related data from databases and **SOAPUI** tool is used for testing **RESTFUL API** web services.
* Familiarity with Service oriented architecture **(SOA)** by developing and consuming **Restful** web services based on **Jersey**.
* Wrote corresponding one-one **REST** methods to implement respective change requests (change appliers)
* Tested **REST** services using google chrome’s **POSTMAN** plugin.
* Deployed the application in **JBoss** Application Server.
* Worked on **Junit** for creating test cases for all the Business Rules and the application code.
* Called external vendor applications using **Web Services** for delivering notifications.

Environment: Spring MVC, Spring Batch, Spring Security, Spring REST, Spring IOC, Hibernate, Angular JS, AJAX, HTML, CSS, JSON, Junit, Mockito, Selenium, Cucumber, MySQL 5.6, AWS, RabbitMQ, SOA architecture, Webpack, Kafka, Docker, Jenkins, Hibernate, WebSphere, CSS, servlets, EJB, Web Logic, XML, JavaScript, Docker, Swagger, Hibernate.

**Client: Epam, Dallas, Texas Jan 2015 – Dec 2016**

**Role: UI Developer**

**Responsibilities:**

* Responsible for overall design & analysis of **UI components** and integration with existing **J2EE**
* Designed, developed and maintained the data layer using **Hibernate** and perform configurations of spring Application Framework
* Designed GUI of the project **using HTML, JavaScript, Linux, jQuery, CSS** to improve visual effect on the dynamic front-end
* Developed Action Classes, which holds business logic in **Struts framework**
* Implemented **REST** web services for other applications to communicate
* Annotation based Hibernate beans developed to eliminate the mapping **XML files**
* Used **Jenkins** plugins for code coverage and also to run all the test before generating war file
* Created prototypes in **HTML, JavaScript** and **CSS** for different **UI** pages
* Implemented the integration with the back-end system with web services using **SOAP**
* Worked with **jQuery UI** to improve user experience, such as Validation Engine, Data Table, Dynamic Charts, etc.
* Developed **Java Beans** and Utility Classes for interacting with the database **using JDBC**
* Processed **JSON** Request according to different types modules, actions and request data
* Designed and implemented of **Spring-Security** for the application for authentication process against **LDAP, J2EE** pre-authentication and Database
* Involved in migration and integration of Sybase database servers
* Created jar files, compiled them and run those using **Maven scripts**
* Maintained and written Sybase stored procedures
* Used **GIT** repository for software configuration management and version control

**Environment:** Java, Agile ,HTML5, CSS,JSP, Ajax, Spring 4.0, Hibernate 5.0, SOAP, XML, Jenkins, DB, SQL, JSON, JMeter, Apache tomcat, Sybase, Oracle 11g/12i, GIT.

**Client: -Axis Bank, Hyderabad, India May 2012 – May 2013**

**Role: Junior Java Developer**

**Responsibilities:**

* Performed validation for client side and server side with the help of Struts Validation Framework
* **Created XML Schema, XML template and XSL.**
* Developed **Web Services Application using SOAP and WS-Security.**
* Developed and maintained elaborate services-based architecture utilizing open-source technologies like **Hibernate ORM.**
* Deployed components on **J Boss and Web Sphere application server.**
* Designed banking web application by implementing the **Struts 1.2 framework for Model View Controller pattern.**
* Used Oracle platforms to create databases of student and faculty login information and their desired areas of study.
* Involved in discussions with the client to discuss and understand various components of the requirement and to implement the same.
* Created, executed, and monitored **Java unit** and **automation tests** within framework.
* Created and maintain **software documentation**.
* Gained experience in a number of financial areas, including: trade order management, portfolio management, fixed income, compliance, equity, derivatives, etc.
* Involved in development of the application, writes use cases and serves as a primary contact with QA on **testing support**.

**Environment:** SOAP, WS-Security, Hibernate, J Boss, Web Sphere, Oracle, Struts 1.2, MVC pattern, Java Unit.