**Syeda Afreen**

**Sr Java Developer**

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**PROFESSIONAL SUMMARY**

Over 9 years’ experience in Back-end and Front-end development with an ability to handle any part of the process efficiently. Lead a team for over 4 years. To succeed in an environment of growth and excellence and let me work on the leading areas of technology, a job that gives me opportunities to learn, innovate and enhance my skills and strengths in conjunction with organization goals and objectives.

* Extensive experience in developing web applications using **HTML5, XML, XHTML, DHTML, CSS, CSS3(Sass, Less), Bootstrap, JavaScript, DOM, jQuery, Ajax, JSON,** and **JSP**.
* Experience in **Spring Security** Framework for **User Access Management, JWT** token-based authentication, and involved **OAuth 2.0** configuration for authentication and authorization.
* Experience in implementing and deploying Java EE design patterns such as **Singleton, Abstract Factory, DAO, DTO,** and **Business Delegate** in the Development of Multi-Tier distributed Enterprise Applications.
* Expertise in developing **SOA (Service Oriented Architectures)** and **Microservice architectures** using J2EE web services based on **Restful (JAX-RS), SOAP(JAX\_WS), JAX-RPC, and JAXR (Java API for XML Registries)** using frameworks like **Apache CXF, Jersey, Apache Axis.**
* Over 4+ years of experience in Golang. Excellent coding and problem-solving skills with ability to work as Developer.
* Unit tested web services using **Junit, Mockito Easy mock, Spring Junit Runner, Spock, Testing**, and achieved Test-Driven Development (TDD) goals.
* Developed Data Ingestion application to bring data from source system to HBase using Spark Streaming. Apache Kafka.
* (ORM) Frameworks like **Spring JPA** with **Spring Data**, **Hibernate**, **IBatis MyBatis, and Spring JDBC**.
* Experience in **Transaction usage, Servlets, JMS, Java Beans, Web Services, Multithreading Executor Services**.
* Experience working with different SDLC (Software Development Life Cycle) including Requirement gathering, Analysis, Design, Coding, Testing, and Implementation like **AGILE (SCRUM)**, **TDD,** and **Waterfall Models**.
* Good knowledge in building real-time dashboard applications using **Splunk, Elastic Search, and Logstash (ELK)** to profile and monitor the streaming data of the application.
* Developed real-time dashboard applications for visualization and analytics on Apache web servers using **Kibana, Splunk, Grafana, SumoLogic**, and **New Relic** integrated with **DataDog**.
* Extensively used **Spring IOC** to inject objects based on selecting components like setter injection and Interface injection to manage the object references.
* Strong experience with **EJB, Struts, Spring Boot,** Spring framework implementing modules: **Spring MVC, Spring Boot, Spring IOC, Spring IO, Spring AOP, Spring Security,** and **Spring Data**.
* Extensive AWS Experience including AWS Services such as **EC2, VPC (NAT, VPC Peering and VPN), IAM (Identity and Access Management), Elastic Beanstalk, Lambda, S3, CloudFront, Glacier, SQS, SNS, RDS, DynamoDB, Route53, CloudWatch, CloudTrail, CloudFormation, Security Groups,** etc.
* Good understanding of Server-side JavaScript structures like **NodeJS, Hapi.JS, Express.JS**.
* Experienced in server-side view rendering Java content structures like **React.JS** and rendering pages on the server-side utilizing **Redux** and **Flux** to accomplish unidirectional plan stream.
* A good amount of hands-on experience developing server-side JavaScript frameworks using **Node JS (Hapi JS, Express JS)** to build **event-driven, non-blocking i/o model** web applications.
* Solid experience developing the rendering view **React JS** components, forms, events, routers, and **Redux asynchronous** functions and implemented **React - Flux** pattern for core dependency.
* Strong experience in building applications using the JavaScript **Mean stack**: MongoDB, Angular JS, Express.js, and Node.js.
* Widely used various open-source MVC architecture like **Struts 2.0**, **Spring** **MVC**, and Object Relational Mapping
* Handled operations and maintenance support for **AWS cloud resources**, including launching, maintaining and troubleshooting EC2 instances, S3 buckets, Auto Scaling, DynamoDB, AWS IAM, and **Elastic Load Balancers (ELB)** and **Relational Database Services (RDS)**. Also created snapshots for data to store in **AWS S3**.
* Worked and have experience in **Apache Camel** for data sharing between systems.
* Expertise in implementing **Core Java SE 8** concepts like **Streams API, Lambda functions, Functional programming,** and **Generics**.
* Expertise in using **NPM** and **BOWER** package and Dependency management.
* Strong experience developing **Dynamic Single Page Application (DSPA)** using MEAN **(Mongo, Express Angular, and Node)** full-stack development tool kit.
* Proven experience with Application Servers like **IBM WebSphere, Oracle/BEA WebLogic, JBoss, and Tomcat**.
* Expert in Various Agile methodologies like **SCRUM, Test Driven Development (TTD), Incremental** and **Iterative methodology, Pair Programming, Agile Development** & **Testing using Software Development Life Cycle.**
* Experience in integration tools like **Spring Integration, Mule ESB, Apache CXF, and Apache Camel** to integrate the enterprise application technologies with existing JVM environments.
* Experience writing SQL queries in PL/SQL, Triggers, and Stored Procedures in Relational Database management systems like **Oracle, MS SQL, MySQL, and DB2**.
* Experience designing and developing various **Angular 8.0 Components** (Ng Modules), **Services**(observable/promises), **Directive,** and **Pipes**.
* Experience in integration testing tools like **Selenium Web Driver, Cucumber (Behavior Driven Development testing).**
* Implemented Google’s public cloud(GCP) computing resources and services in the project.
* Experience in Message Queue (MQ) services like **Apache Kafka, Rabbit MQ, Active MQ, and IBM MQ.**
* Hands-on experience with building Java projects using build tools like **ANT,** **Maven, Gradle,** and integrating the project **Bamboo, CD/CI, Jenkins, Aws Code.**
* Experience in testing with **JUnit Framework** using **Mockito** and **Easy Mock, Spring Junit Runner, JMeter.** Worked on testing JavaScript structures utilizing **Mocha and Chai, Jasmine, and Karma.**
* Good Knowledge in **Amazon Web Services (Amazon EC2, Amazon S3, Amazon Simple DB, Amazon Elastic Load Balancing, Amazon SQS, Amazon EBS, and Amazon CloudFront)**.
* Sound learning on the consistent mix and persistent deployment tools **like Jenkins, Hudson, Travis, Puppet, and Bamboo**. Substantial involvement in **UNIX and Shell scripting to automate the build scripts**.
* Expertise in using **JavaScript** build tools and task runners like **Webpack** for React and Angular 8.0, **Grunt, Gulp** for Angular, Browser for packaging NodeJS modules for browsers.
* Experienced in utilizing source code variant administration apparatuses like **SVN, Git, Bit Bucket**, and undertaking sprinters like **Babel, Grunt, Gulp,** and **Web pack.**
* Expertise in Google’s public cloud computing resources and services( GCP).
* Used **Kubernetes Linux container** for deploying and scaling containerized applications.ive
* Experience in database design and development of **PL/SQL** stored procedures and packages in relational databases like **Oracle 9i / 10g / 11g, SQL Server 2005/2008, DB2, MySQL,** and good hands-on experience in implementing, designing, and developing **NoSQL** Databases like **MongoDB.**
* Experience developing applications using MVC and MVVM client-side JavaScript frameworks such as **Angular 8.0, AngularJS** to create dynamic web applications, **Backbone. Js, Ember.JS, Handlebar.JS.**
* Developed various **Typescripts (ES6)** objects, including **Components, Ng Modules, Providers, Services,** and **classes** using **arrow functions** and **optional types.**
* Designed and developed highly scalable, available, fault-tolerant, highly secured, distributed infrastructure (IAAS) using **2 EC2** instances, **S3**, **EBS**, **API Gateway, Elastic Beanstalk, ECS**. Experience in configuration management tools like **Puppet, Chef, Docker** andused **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.
* Good knowledge of **Drools Rule Engines,** which corresponds to validating **BRMS** **(Business Rule Management System)**.

**TECHNICAL SKILLS:**

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| **Programming Languages** | C, Java, JavaScript, PHP, PL/SQL, UNIX Shell Script. |
| **Java/J2EE Technologies** | * Servlets, Spring, JPA, JTA, JDBC, JSP, JSTL, RMI, Applets, |
| **Frameworks** | Struts 2.5, Hibernate 5.x, Spring 5.0, Spring Batch, Spring Security, Spring AOP, Spring Core, Spring IOC, JSF. |
| **Web Technologies** | HTML, HTML5, CSS/CSS3, AJAX, JQuery, Bootstrap, XML, Grunt, Gulp, JSON. |
| **Database** | SQL Server, MySQL, Oracle, MongoDB, DB2 |
| **JavaScript Frameworks** | AngularJS, Angular 8, JQuery, React.js, Node.js, Backbone.js, Hapi.js, Handlebars.js. |
| **Web Services** | XSD, WSDL, Apache Axis, SOAP, Restful, Graphql, JAX RS, JAX WS |
| **Messaging** | JMS (Java Message Service), IBM MQ, Apache Active MQ, Apache Kafka. |
| **Web Application Servers** | Oracle WebLogic 10.x/9.x, IBM WebSphere 8.x/6.x, Apache Tomcat 8.0/7.x/6.x. |
| **Methodologies** | Agile, Waterfall, OOAD, SCRUM. |
| **Testing Tools** | * JUnit, Mockito, Jasmine, Karma, Mocha, Chai, GCP, Selenium, Golang. |
| **Version Control** | SVN, CVS, GIT, and Clear Case |
| **Build Tools** | Maven, Gradle, ANT |
| **IDEs** | Eclipse IDE, RAD 6.0/7.0, IntelliJ IDEA, Spring Tool Suite (STS). |
| **Operating Systems** | Windows, Linux, and UNIX |
| **Software** | Visual Studio, Rational Rose, and Microsoft Office |

**PROFESSIONAL EXPERIENCE:**

**Client: Verizon Remote May 2022 – Present**

**Full Stack Java Developer**

**Responsibilities**

* Involved in Software Development Life Cycle for gathering requirements, Analyzing, Designing, Developing, and Testing applications using Agile methodology.
* Implemented Microservices architecture with Netflix, Spring Eureka, Spring Ribbon using Spring Boot to provide client-side load balancing in calls to other Microservices, making applications into smaller chunks and the Spring Hystrix Circuit Breaker for the fail-safe.
* Created dynamic schema design through NoSQL MongoDB by writing rich queries and achieved data in a collection to be distributed across multiple systems for Horizontal Scalability as data volumes increase through Shading.
* Implemented Java11 features like Lambda expressions, Streams, filters, pipelines, Optional Interfaces, etc.
* Experience working with (consuming) REST or GraphQL APIs via client-side JavaScript or server-side via NodeJS.
* The application is built in Micro Service Oriented Architecture using MEAN 11+ (Mongo, Express Angular 11.0 and Node) stack and developed Single Page Applications (SPA).
* Developed multiple Angular 11.0 components that are compatible with the latest versions of typescript, angular CLI.
* Extensively worked on Angular Directives like Structural Directives (ngIf, ngFor) and custom Directives, route guards (canActivateROute, canActivateChild), filters, declarative templates, service calls (promises & Observables), and context-aware communication.
* Data segregation/categorization is performed based on the requirement using Spark Streaming API (Transformations & Output Operations) on the data stored in HBase.
* Worked with KAFKA Zookeeper for managing the cluster with broker/cluster technology.
* Configured JBOSS Application server and used Oracle database with Hibernate ORM framework and used the functionalities of Hibernates second level EHCache.
* Kubernetes is configured in the application for automating deployment, scaling, and management of containerized applications.
* Implemented Spring Netflix Zuul API gateway and Eureka service registry for reverse proxy and Dynamic service discovery of APIs.
* Hands-on experience on Dump Analysis and thread Dump common problem patterns (Thread race, deadlock, hanging IO calls, garbage collection / OutOfMemoryError problems, infinite looping, etc.).
* Experience in working with GraphQL queries and use the Apollo GraphQL library.
* Performed manual and regression testing using JIRA X-RAY tests, writing the scenarios.
* Worked on UI testing with Karma, Jasmine, Protractor for Angular, Mocha, and Chai for React JS and Backbone JS.
* Implemented AWS solutions using E2C, S3, RDS, EBS, Elastic Load Balancer, Auto scaling groups, Optimized volumes, and EC2 instances and created monitors, alarms, and notifications for EC2 hosts using Cloud Watch.
* Experience in Java11 features like Parallel Streams, Lambdas, functional interfaces, and filters.
* Used Cassandra for storing internal statements and reports and worked extensively in Development which includes updating and retrieving data internally from the back-end Cassandra.
* Hands-on experience using ODM frameworks to connect asynchronous environments with Mongoose Connector and Cassandra Node Driver.
* Participated in code review and mentoring sessions and used GIT as version control and GITBash for GIT interactions.
* Responsible for migrating existing modules in IBM MQ to Apache Kafka and creating Kafka adaptors for decoupling the application dependency.
* Designed and developed efficient user Interaction screens using HTML5, CSS3-SASS, and Twitter Bootstrap CSS framework and media queries to create responsive web pages.
* Implemented Apache camel in the project for data sharing between systems.and used fuse for efficient integration.
* Implemented hive framework to deal with petabytes of data.
* Configured and managed various AWS Services, including EC2, RDS, VPC, S3, Glacier, CloudWatch, CloudFront, Route53, SQS, SNS, etc.
* Experience in building isomorphic applications using React.js and Redux with GraphQL on the server-side.
* Implemented a 'server less' architecture using API Gateway, Lambda, and DynamoDB and deployed AWS Lambda code from Amazon S3 buckets. Created a Lambda Deployment function and configured it to receive events from your S3 bucket.
* Worked with Jenkins to configure Continuous Integration and Continuous Deployment (CI/CD).
* Implemented Spring Circuit breaker pattern, integrated Hystrix dashboard to monitor Spring microservices.
* Implemented Google’s public cloud(GCP) computing resources and services in the project.
* Authenticating Users to provide security to RESTful web services using OAUTH 2.0.
* Developed the single-page application following Agile Scrum, participated in daily standups, sprint reviews, Kickoffs, and used Jira for project management.

**Environment:** Java, Angular 11.0, J2EE, Git, Spring Boot, Hibernate, Core Java, Rest, Web Services, CSS, Eclipse RCP SASS, WSDL, Apache camel, fuse , JIRA, JMS, PostgreSQL, AWS, GCP Spring Cloud, Spring batch,h PCF, Apache JMeter, jQuery, JUnit, Docker, Maven, Jenkins.

**Client: Freedom Mortgage, Moorestown, NJ Oct 2021 – April 2022**

**Full Stack Java Developer**

**Responsibilities**

* Extensively worked in writing minimal code in building re-usable forms with their validations using REACT with Redux Architecture.
* Developed JavaScript for all client-side validations and developed GUI using CSS, JSTL, and XSL.
* Optimized cleaning up of session-level Data Structure's shared across different open tabs when data is flushed/committed from one of the tabs.
* Experience in Docker Engine and Docker Machine environment, to deploy the micro services-oriented environments for scalable applications.
* Responsible for the overall layout design and prototype using React JS with Redux library, jQuery UI, and CSS/Less and HTML5.
* Worked with Jenkins Continuous Integration and Continuous Deployment (CI/CD).
* Made use of React JS to build Bootstrap components for responsive UI objects and linked with API data to view and render the virtual DOM dynamically.
* Performed Unit testing on ReactJS applications using Karma and Jasmine tools and worked with the Gulp tool to build automation.
* DevOps role converting existing AWS infrastructure to Server-less architecture (AWS Lambda, Kinesis) deployed via CloudFormation.
* Implemented Spring Boot to create a CRUD back-end for our React-frontend application.
* Wrote Drool rules in both rule flow and drooled fusion for fetching the facts from the database.
* Designed the user interface screen and its functionality as per user requirements and developed RESTful Web services in Mule ESB based on Service Oriented Architecture (SOA).
* Used different transformers, exception handling, testing & Security of Mulesoft ESB endpoint through OAuth.
* Implemented Node JS as a server-side proxy for an event-driven, non-blocking I/O model to make the application lightweight and efficient.
* Worked with container-based application deployments using Docker with Kubernetes.
* Implemented hive framework to deal with petabytes of data.
* Worked in Apache Camel for building integration as efficient as possible. And used fuse for rapid integration.
* Experience in integration testing tools like Selenium Web Driver, Cucumber (Behaviour Driven Development testing).
* Define requirements and specifications for Development using Oracle R12, Oracle Forms, Oracle Reports and SQL.
* Good knowledge of Lambda expressions, Time APIs, and Java 8 core features
* JUnit is implemented along with Mockito to perform unit testing on our RESTful web application.
* Web pack module bundler and Babel JavaScript compiler are used accompanying React JS.
* Dockerized Spring Boot application to Pivotal Cloud Foundry PAAS (Platform as a service).
* Implemented Spark to processing data with support for batch processing and SQL queries.
* Experience integrating the internal security model into new projects with Spring Batch, Spring Microservices and Spring Boot, Pivotal Cloud Foundry, and Netflix Eureka.
* Performed Unit testing on applications using tools Mocha to test Reactjs and Chai for Node.js.
* Apply focused development changes across oracle databases and see the changes applied through the life cycle of environments and testing into production via internal deployment tool.

**Environment:** HTML5, CSS3, Redis, Express JS, jQuery, JavaScript, Node JS, Bootstrap, REST API, Load Balancer, Mongoose Connector, MongoDB, REST administrations, Docker, Apache camel, Fuse, Mocha, Jasmine, Karma, Gulp, SSO Authentication, Webpack, Spark Kubernetes, Selenium, Maven and Jenkins. GIT, Jenkins, AWS Services, Elastic Cloud Compute (EC2).

**Client: Catalyst Software, New York, NY Mar 2020 – Sep 2021**

**Full Stack Java Developer**

**Responsibilities:**

* Implemented web interface (UI) for end-users using AngularJS, which has migrated from the existing Backbone JS application.
* Effectively used Angular Directives, filters, declarative templates, service providers, and context-aware communication.
* Used HTML5, CSS, jQuery, Ajax and performed client-side validations using JavaScript.
* Wrote SQL Queries, PL/SQL stored procedures, triggers, packages on Oracle database.
* Developed a set of application functionality using CRUD (Create, read, update, delete) features of Backbone.js.
* Developed an automated application using JMS for messaging and JNDI to interact with the server.
* Implemented hive framework in the project.
* Worked on Spring Framework handling major concepts like Dependency Injections, Spring IoC Containers, Transaction Management Declaratives (annotations based).
* Strong working knowledge in developing Restful webservices and Micro Services using Golang.
* Configured Hibernates second-level cache using EH cache to reduce the number of hits to the configuration table data.
* Implemented solutions using Hadoop. Apache Spark. Spark Streaming. Spark SQL, HBase and Scala.
* Developed application on Spring framework by utilizing its features like Spring Dependency injection, Spring Beans, Spring Security, Spring JPA, Spring Web flow using MVC.
* Performed AngularJS end-to-end testing using the Protractor framework.
* Introduced to Golang while working within a project.
* Used Maven build tool to deploy the application on web servers, i.e., JBoss.
* Used Backbone JS to utilize its rendering functions and create controllers to handle events triggered by clients and send requests to the server.
* Wrote microservices using Golang.
* Designed the user interface screen and its functionality as per user requirements and developed RESTful Web services in Mule ESB based on Service Oriented Architecture (SOA).
* Integration testing methods and Behavioral driven testing in the application are implemented using Selenium and Cucumber, respectively.
* Configured and managed public/private cloud infrastructure utilizing Amazon Web Services like Amazon Ec2, Amazon S3.
* Implemented security functionality for various projects using Site minder (SSO).
* Hibernate ORM framework is used to interact with databases through Hibernate query language (HQL). And also worked with the Hibernate EH Cache technique for the critical objects in the application.
* Implemented ODBC, which is used for connecting to the Oracle database.
* Configured Jenkins to handle application deployment in the Pivotal Cloud Foundry (PCF) server and integrate with GitHub version control.
* Unit, functional, end-to-end testing is achieved using the TestNg framework.

**Environment:** Angular JS, HTML5, CSS3, AJAX, Bootstrap, JSON, XML, Active MQ, JMS, Hibernate, DB2, SOAP-AXIS2, Restful services, JAX-RS SOA, Eclipse Java EE IDE Neon, Jenkins, Git, Log4j, DB2, Grunt, Jasmine, JBoss, Jenkins, OpenShift, Drools, Maven, TestNg, Protractor, Grunt, Selenium, Cucumber, WADL.

**Client: Appnomic Systems, Hyderabad -India Aug 2012 – July 2016**

**Role: Java Developer**

**Responsibilities**

* Developed SCM by using the JSP/HTML for each user interface. Servlets standard validations are used as the controllers for business logic and using JDBC, XML parsing techniques using MVC.
* Worked with Log4J to capture the log that includes runtime exception.
* Configured Struts-config.xml, Tiles-def.xml, and various properties files provided by Struts Framework for the implementation module.
* Developed web applications using Struts, Spring, and iBatis framework.
* Experience in installing, configuring, and deploying applications on Web Logic Server.
* We kept up the bean life cycle by utilizing Spring IOC, which keeps session information about beans.
* Extensively used the Struts tag libraries (Bean Tags, Logic Tags, HTML Tags, etc.) and Custom tag libraries.
* Implemented IBM WebSphere Application Server to deploy the application.
* Deployed application on the Client Linux server.
* Used Multithreading concept to post data from files to tables involving the transformation of files from one format to another.
* Developed a DAO pattern to retrieve the data from the database.
* Implemented responsive web-based applications using HTML5, CSS3, JavaScript, jQuery.
* Used ANT build tool for compiling and generating war files.
* Designed a mailing application to send notifications to the Oracle users for intimating to start the following workflow.

**Environment:** Core Java, J2EE, JSP, HTML, MVC, Servlets, Struts, JMS, MDB, EJB3.1, JUnit, PL/SQL, DAO, Web Logic Server, Ant, SOAP, JAX-WS, WSDL, Junit, SQL.

**Client: Data Matic System Pvt. Ltd July 2010 – July 2012**

**Role: Web Developer**

**Responsibilities**

* Involved in various phases of Software Development Life Cycle (SDLC) of the application like Requirement gathering, Design, Analysis and Code development.
* Developed a prototype of the application and demonstrated to business users to verify the application functionality.
* Created Hibernate XML files and Java class files to map the object relation Mappings.
* Developing front end of application using HTML, CSS, backbone.js, JavaScript, jQuery.
* Used Angular js framework where data from backend is stored in model and populated it to UI.
* Prepared user documentation with screenshots for UAT (User Acceptance testing).
* Extensive experience in producing/consuming Rest based web services using JAX-RS, Jersey providers.
* Developed the administrative UI using Angular.js and Node.js.
* Developed and implemented the MVC Architectural Pattern using Struts Framework including JSP, Servlets, EJB, Form Bean and Action classes.
* Hands on experience with MVC JavaScript frameworks such as Backbone.js, Angular.js and Node.js.
* Developed and designed Interfaces using Swing.
* Developed the web layer using Spring MVC framework.
* Worked on a code generation framework that generated Java  Swing code from XML
* Developed web services in Java. Experienced with SOAP/WSDL. Have also designed and developed REST interfaces in Java.
* Developed Action Forms and Action Classes in Struts frame work.
* Developed Web API using Node.JS and hosted on multiple load balanced API instances.
* Implemented Struts Action classes using Struts controller component.
* Developed Web services (SOAP) through WSDL in ApacheAxis to interact with other components.
* Integrated Spring DAO for data access using Hibernate used HQL and SQL for querying databases.
* Implemented EJBs Session beans for business logic.
* Used parsers like SAX and DOM for parsing xml documents and used XML transformations using XSLT.
* Wrote stored procedures, triggers, and cursors using Oracle PL/SQL.
* Created and deployed web pages using HTML, JSP, JavaScript and CSS.
* WroteJUnit Test cases for performing unit testing.
* Used ANT automated build scripts to compile and package the application.
* Used Jira for bug tracking and project management.

**Environment:** Java, JSP, JDBC, Struts, Hibernate, Design Patterns, XML, PL/SQL Developer, Weblogic, Apache Axis, ANT, Clear case, JUnit, Web services, SOAP, XSLT, Jira.