**Swathi S Email id:** sswathipriya9@gmail.com

**Sr. Full Stack Java Developer    Phone: (219) 237-0969**

**PROFESSIONAL SUMMARY:**

* Accomplished Java Full Stack developer with experience in all phases of **Software Development Life Cycle** (SDLC) which includes Design, Development, Analysis, Testing and Integration of various web based client/server applications in multi - platform environments using **JAVA/J2EE** technologies.
* Experience in configuring, deployment and support of cloud services including Confidential Web Services **(AWS)**.
* Proficient in User Interface (UI) applications by using **HTML, CSS, Bootstrap, Java Script, JQuery, JSON, AJAX, Angular, React JS, and Vue JS.**
* Experience in building Single Page Application (SPA) using various **Angular** **framework** and **ReactJS** library.
* Experience on **Angular** features such as Directives, Dependency Injection, Modules and Routing.
* Experience in using **React JS components, Forms, Events, Keys, Router, REDUX** and **Flux** state management concepts.
* Experience in **React.js** for creating interactive UI's using **One-way data flow, Virtual DOM, JSX, Routing concepts**.
* Extensive experience in using various design patterns such as **MVC, Singleton, Session Facade,** **and Data Access Object** in the development of Multi-Tier Enterprise Applications.
* Strong in Core Java concepts and working knowledge on concepts such as **OOPs concepts, Collections Framework, String Handling, Exceptional Handling, Multithreading, Synchronization.**
* Expert with **Java 8** concepts like **Lambda expressions, Method referencing, Functional Interfaces and Generics and Streams API.**
* Expert in developing **Microservices** applications using **Spring Boot** to modularized code and Developed **Rest API’s Web servers.**
* Experience with **Spring Framework** modules like Spring IOC container for Dependency Injection, Application context.
* Expertise in developing and integrating enterprise applications using **Spring MVC, Spring IOC, Spring web flows, Spring Security, Spring Boot, Spring Batch and Spring integration.**
* Practical experience in both Non - relational **MongoDB**, **Cassandra** and Relational Database **My SQL**, **PostgreSQL**.
* Experience in using build tools like **MAVEN** and **ANT**, **Gradle** and **MS**-**build** for the building of deployable artifacts such as war, jar and ear from source code.
* Experience in Testing Frameworks such as **JUnit, QUnit, Mockito, Selenium, Jasmine, Karma** and **Protractor**.
* Hands-on Experience with **Apache Kafka** to process and integrate data with spring to Multi-Threaded Message consumption and worked on **Zookeeper** to maintain services.
* Experience on **Kafka cluster** which typically consists of multiple brokers to maintain load balance.
* Hands-on experience in designing and development of messaging application using **Java Messaging Service** (**JMS**) and **Rabbit MQ.**
* Proficient in producing/consuming **web application** development using **SOAP, RESTful Web Services, spring, Hibernate JDBC, Servlets, JSP, Java Beans, MVC.**
* Experience of deploying Java web applications using **AWS Elastic Beanstalk** for automatically manages load balance and auto scaling**.**
* Extensive experience in Amazon Web Services like **EC2, Simple DB, S3,AWS Lambda, Dynamo DB, IAM, AWS Identity and access management, AWS Cloud Watch, and Cloud Front.**
* Hands - on experience in **Azure** Cloud Services (PaaS & IaaS), Storage, Active Directory, USQLS, Application Insights, and Logic Apps.
* Experience in using version control and configuration management tools like **GIT** and **Git Hub, Git Lab.**
* Experience in deploying the micro services using **Docker** container services and building continuous integration and deployment pipeline using **Jenkins** with **Git Hub**.
* Implemented a **CI**/**CD** pipeline with **Docker**, **Jenkins** and **Kubernetes** by virtualizing the servers using Docker for the Dev and Test environments by achieving needs through configuring automation using Containerization.

**TECHNICAL SKILLS:**

|  |  |
| --- | --- |
| **Web Technologies** | HTML, CSS, JavaScript, jQuery, Type Script, JSP, AJAX, XML, XSLT, DHTML, Bootstrap, Angular, React JS, Node JS, Vue JS. |
| **Java/J2EE Technologies** | Spring Boot, Spring MVC, Core Java, Kafka, JavaBeans, JDBC, EJB, Servlets, JSP, JMS, Spring and Hibernate. |
| **Programming Languages** | C, C++, C#, Java, Python, SQL, PL/SQL. |
| **Database** | MongoDB, Cassandra, Oracle, SQL Server, My SQL, Postgre SQL. |
| **Web Services** |  RESTful, SOAP, WSDL, UDDI, Apache Tomcat, Apache CXF, Micro Services. |
| **Testing frameworks** |  Log4j, Unit, JMeter, Selenium, Cucumber, Mockito, Karma, Jasmine, Protractor, Mocha. |
| **Operating Systems** | Windows, UNIX, LINUX, Mac OS. |
| **Repositories** | Git, Bit bucket, SVN, CVS. |
| **Development Tools/IDE** | Eclipse, Net Beans, Sublime Text, Visual Studio Code, IntelliJ. |
| **Build Tools** | Ant, Maven, Jenkins, Gradel. |
| **Cloud**  | Amazon Web services (AWS) Cloud, Azure, Google cloud Platform. |
| **AWS Services** | EC2, S3, EBS, IAM, AMI, ELB, CLI, SNS, RDS, Route53, Dynamo DB. |
| **Spring Tools** | Spring MVC, IOC, AOP, JDBC, JTA, IO, Spring Boot, Spring REST, Spring Eureka, Spring Cloud, Swagger UI, and Feign Client. |
| **Message Brokers** | Apache Kafka, RabbitMQ, Active MQ, IBM MQ. |
| **Methodologies** | Agile, Scrum, BDD, TDD, OOAD, SDLC, Waterfall model. |

**WORK EXPERIENCE:**

**Client: Merck, Branchburg, NJ December 2019 – Present**

**Sr. Java Full Stack Developer**

**Responsibilities:**

* Developed End to End Design, Development and Testing of Streamlets module by **Agile** and **Scrum** methodologies. Worked with various agile methodologies like Test Driven Development (TDD) and Behavior Driven Development (BDD).
* Created cross-browser compatible and standards-compliant using **Angular,** **React JS**.
* Designed and developed user interface using front-end technologies like **HTML**, **CSS**, **JavaScript**, **JQuery** and **AJAX**.
* Worked with **Angular** to develop single page applications by using routing concept, worked with **NGRX** for managing Angular applications.
* Implemented the design wireframe using **Angular.** Created services and exposing it to backend, which runs on **Spring Boot** and managed application layer using **Node.js** mainly for authentication, authorization, and session maintenance.
* Created **TypeScript** reusable components and services to consume REST API's using Component based architecture which is provided by **Angular.**
* Created services with **Angular** inject property, to make the service available for dependency injection while creating components and modules according to client’s requirement.
* Developed **Angular** built-in directives, custom directives andcomponents such as dashboards, data grids and informational pages, carousels, date /pickers, modal dialogs and other input components.
* Created UI templates and functionality to be merged with the backend **REST** API for proper communication of front and back end to enable efficient working of application.
* Used design patterns like Singleton, Data Access Objects, Factory and MVC patterns.
* Implemented Multithread concepts in **Java** classes to avoid deadlocks and Extensively used **Java 8** features like lambda expressions for communicating between business layer and database, Stream API for Bulk Data Operations on Collections using both streams and parallel streams.
* Implemented modules using for Core **Java API**s, **Java** **Collections**, **Java** **Streams**, **Multi-threading** and **object oriented designs.**
* Used **Spring boot** to built service classes like Entity to map data from Database table to object, Repository to create **CRUD** operations, Controller to handle the HTTP methods, service classes to write the business logics, and Main class which holds overall execution of services under project.
* Integrated with **Spring Cloud** projects to provide distributed tracing, service registration/discovery and other features. Leveraged Spring Cloud module for Microservice Architecture solution such as Config server, service registry, and load balancing.
* Configured **Spring MVC** from scratch using XML configurations, namespace handling, and **spring security** set up and giving access to resource, wrote code to transform XML documents using JAXB Marshaller and Unmarshaller using Spring Injections.
* Retrieved data from client-side using **Micro service** architecture and Pivotal Cloud Foundry (PCF) for deploying micro services.
* Implemented unified data platforms by using **Kafka** producers/ consumers message broker tool to implement pre-processing using **storm topologies** to obtain parallelism for each node, and then **Storm** will spawn threads across the cluster to execute.
* Created plug-ins to extract data from multiple sources like **Apache Kafka**, Database and Messaging Queues.
* Utilized **Log4j** for logging and debugging at various levels of information within the application.
* Composed and executed **MongoDB** scripts to insert and update **NoSQL** database to manage large data sets, automating data changes and reporting.
* Stored the data in the form of **JSON** structure-based documents in **MongoDB**.
* Used **Spring Boot** for developing **Micro services** using **Spring JPA** to connect with Database.
* Utilized **Spring Data JPA** that helped in creating automatic Data Access Objects (DAOs) during compile time.
* Worked on **Swagger** API to auto-generate documentation for all **REST** API’s and used for Testing REST API’s.
* Coordinated with the QA team to help develop their test cases for unit testing using **JUnit** and **Mockito**and performed **build**using **Maven**.
* Developed the test cases with **JUnit** for Unit testing of the built components.
* Used **Bitbucket**repository for version control for maintaining the branches and build/release strategies.
* Deployed **EC2** instances provisioning on **AWS** environment and implemented security groups, administered Amazon **VPCs**.
* Created **AWS Lambda** functions for **AWS** config rules using **Node**.**js**. Implemented Lambda function on text object methods Context object properties using **Node**.**js**.
* Deployed the **Docker image** of services building **Docker** file and build a continuous delivery pipeline for containers using **AWS** CodePipeline and **Amazon EC2**.
* Used **JQuery** and AJAX calls for transmitting JSON data objects between front end and controllers and Utilized continuous integration and automated deployments with **Jenkins**.

**Environment:** Java, HTML, CSS, Bootstrap, React, Angular, Ajax, JavaScript, Core Java, Java 8 Spring frameworks, Spring Boot, Mongo DB **,Cassandra,**  RESTful API’s, Maven, Spring, REST, Apache Kafka, Swagger, JUnit, Mockito, Bitbucket, Log4j, DB2, AWS,Docker**,** Jenkins.

**Client: Geodis, Brentwood, TN August 2018 – December 2019**

**Sr. Java Full Stack Developer**

**Responsibilities:**

* Mainly involved in development and maintenance of the website using HTML5, CSS, Ajax, JQuery, JavaScript, Angular, ReactJS and Node.js.
* Designed dynamic and browser compatible pages using **HTML**,**CSS**, **and JavaScript**.
* Developed front-end codes with Ajax call in Angular and jQuery to retrieve data as JSON Object from controllers in back-end Restful Server.
* Worked on **React JS** VirtualDomand **React** views, rendering using components which contains additional components are custom**HTML** tags.
* Implemented various screens for the front end using**React.js** and used various predefined components from **NPM (Node Package Manager)** and **redux** library**.**
* Responsible for **React UI** and architecture. Building components library, including Tree, Slide-View, and Table Grid.
* Used **React JS** with **Redux** to create a single page web application with efficient data flow between the client and server and used to create Controllers to handle events triggered by clients and send request to server.
* Implemented in **React JS** for Data patterns which improves readability and made it easier to maintain larger apps and used **React JS** for declarative, efficient, and flexible JavaScript library for building user interfaces.
* Debugged the application using Firebug to traverse the documents and manipulated the Nodes using DOM and **DOM** Functions.
* Developed Server-side automation using NodeJS scripting and connected different types of **SQL** and **NoSQL** databases.
* Used **Object Oriented Programming**concepts to develop **UI components** that could be reused across the **Web Application.**
* Utilized core Java concepts like **collection framework, multi-threading, OOPS and Exception Handling.**
* Implemented connectivity to databases using **JDBC**from **Servlets and JSP through Enterprise Java Beans (EJB).**
* Developed in using spring concepts **DI/IOC, AOP, Batch**implementation**and Spring MVC**.
* Extensively worked on **micro services** with **Spring** **Boot** and created dynamic documentation for RESTful web service by using **Swagger**.
* Deployed and monitored **Micro Services** using Spring Cloud Foundry managed domains and routes with the **Spring Cloud** Service Registry.
* Worked on security for the developed Rest API’s is provided using Java Web Token (JWT) and tested the REST API’s using **POSTMAN**.
* Utilized **Spring MVC** Framework was used to create REST end points and **Maven** for project building.
* Used **Spring Boot** which is radically faster in building cloud Micro Services and develop spring-based application with very less configuration.
* Used **Spring** Core annotations for Spring Dependency Injection, Spring MVC for **Rest API’s** and Spring Boot for **micro services**.
* Integrated the ORM tool **Hibernate** to the spring using Spring ORM in our app and used spring transaction API for database related transactions.
* Utilized **Hibernate** for Object Relational Mapping (ORM) purposes for persistence flow on to the database.
* Created stored procedures and packages using PL/SQL, **SQL** in **Oracle DB** and implemented complex SQL queries.
* Implemented Spring ORM with Hibernate taking advantage of features like Annotation metadata, Auto wiring, and Collections to implement DAO layer with Hibernate Session Factory, HQL, and **SQL**.
* Developed the application using frameworks like Java Server Faces (JSF) and **spring frameworks.**
* Worked on different server such as **Apache Tomcat, WebLogic and Jboss** for configuring and deployment of the application.
* Used **Google Maps API** to implement location module in the application.
* Worked on Unit testing of developed product features using **Junit and Mockito**frameworks as part of development cycle.
* Worked on Test Driven Development there by creating detailed **JUnit** test cases for every single piece of functionality before writing it.
* Used Apache **JMeter** to test the performance of the application of static and dynamic resources to develop the graphical analysis performance testing.
* Used Java Message Service (**JMS**) for reliable and asynchronous information exchange.
* Used **JIRA** tool for Issue/bug tracking, monitoring of work assignment in the system.
* Worked on **Azure** cloud storage services this provides **REST** and **SDK API’s** to store and access data on the project.
* Expert in using version control and configuration management tools like **GIT** and **GitHub, GitLab** and CI/CD tool **Jenkins**, **Docker**, **Kubernetes** for regular Deployment and VMware for machine use.

**Environment:** HTML, CSS, JavaScript, Angular.js, jQuery, JSTL, JSP, AJAX, NodeJS and Bootstrap, Java, Angular, TypeScript, Maven, REST Webservices, Jersey, Spring Boot, Jackson, Spring Cloud, Jboss Server, Tomcat, Postman, Swagger, Cassandra, RabbitMQ, Mockito, Jenkins, AWS, Karma, Jasmine, Git, JIRA, Splunk.

**Client: CPS Energy, San Antonio, Texas May 2017 – August 2018**

**Sr. Java Full Stack Developer**

**Responsibilities:**

* Designed and developed **GUI** framework classes using **Java, XML, XSL, and XSLT** with Rational Rose & Design patterns. Used spring framework's Aspect-oriented programming (AOP) to write various cross-cutting routines.
* Developed front‐end development and web application using **HTML**, **CSS**, **JSP**, **bootstrap** and **JavaScript**, JSF Framework that uses Model View Controller (MVC) architecture with JSP.
* Worked on JavaScript frame work for building web pages using **Angular JS**, **Bootstrap**, **Node.JS**, and **React.JS** to augment browser based applications with MVC capability.
* Created **Typescript** reusable components and services to consume API's using Component based architecture provided by angular.
* Developed code using **AJAX** for implementing dynamic Webpage where the content was fetched via API calls and updated the **DOM** JSON Parsing.
* Developed Servlets and Java Server Pages (**JSP**), to route the submittals to the**EJB** components and render-retrieved information using Session Facade, Service Locator (design pattern).
* Implemented spring architecture and spring beans factory using **IOC**. Configured bean properties using dependency injection.
* Used **Spring Core** Container module to separate the application configuration and dependency specification from the actual code for injecting the Dependencies into the Objects.
* Worked on Backend code to persist data using Core **Java** concepts like Collections, Exception Handling, multi-threading to handle large amount of data.
* Designed and developed Restful service interface using **Spring MVC** to the underlying customer event API and involved in building Restful Web services using JAX-RSAPI.
* Consumed **REST** based Micro services and utilized **Spring Cloud Eureka** to manage the complexity with a **service registry**and **service discovery**and the circuit breaker pattern using the **Hystrix**, load balancing using **Ribbon.**
* Persistence layer was implemented using **Hibernate** Framework.
* Implemented **Micro services** architecture using Spring Boot for making the application smaller and independent.
* Worked on application layer Security using Spring‐Security, OAuth2 for securing REST end point.
* Implemented messaging queues **RabbitMQ**, and **JMS** to perform analytics of stream data in Apache Spark.
* Used **Junit** testingto write and run repeatable **test cases**, karma and **spring** test framework for unit testing.
* Implemented automated tests using **jasmine, mocha** and **karma** frameworks for front-end unit testing.
* Used **Spring Boot** Microservices were developed by microservice architecture using **REST** and Apache Kafka.
* Monitored service health check from Spring Boot admin console using **swagger** UI registered micro services.
* Used **GIT** as **version control** system, to keep track of all the work & all changes, allowing several developers to collaborate.
* Set up **Jenkins** server and build jobs to provide continuous automated builds (CI/CD) based on polling the SVN source control system (GIT) during the day and periodic scheduled builds overnight to support development needs using **Jenkins**, **JUnit**, **Selenium** and **Maven.**
* Used **JIRA** to assign, track, report and audit the issues in the application and used Gradle as Build tool.
* Deployed, Scaled, Configured, wrote manifest file for various services in PCF.
* Developed new library with micro services architecture using Rest APIs, spring boot and pivotal cloud foundry.

**Environment:** HTML, CSS, JavaScript, AngularJS, jQuery, JSTL, JSP, AJAX, NodeJS and Bootstrap, Java, Angular, TypeScript, Maven, REST Webservices, Spring Boot, Spring Cloud, Jboss Server, Tomcat, Postman, Swagger, Cassandra, Apache Kafka, RabbitMQ, Zookeeper, Mockito, Jenkins, AWS, Karma, Jasmine, Git, JIRA.

**Client: Tech Source Solutions, Bangalore, India January 2015 – April 2017**

**Sr. Java Developer**

**Responsibilities:**

* Developed the sophisticated user interactive web pages using web technologies like **HTML**, **XHTML**, **CSS**, and **JavaScript**, as per company's standards.
* Developed an application from end to end by designing, developing and testing with high quality software’s.
* Implemented the **UI front-end design** using **HTML, CSS, JavaScript, JSP and jQuery**.
* Developed **CSS** styles to maintain the uniformity of all the screens throughout the application and positioning of screen objects.
* Developed web application using **JSP** custom tag libraries, Struts Action classes and Action. Designed Java Servlets and Objects using **J2EE** standards.
* Implemented the application using the concrete principles laid down by several **Java/JEE** Design patterns like Business Delegate, MVC, Singleton, Data Transfer Object DTO and Service Locator.
* Involved in writing the Parsers and building the **XML** documents using **SAX** and **DOM** Parsers.
* Implemented asynchronous **multi-thread** processing of files (Java Message Service, Message Driven Beans, PL/SQL, and Triggers).
* Implemented Java features Generic types for compile type, auto boxing and Auto un-boxing convert from primitive types to wrapper types in the processing.
* Used **Spring** **MVC** Controllers to handle requests from the presentation layer and send back the response, JSP to build the view layer.
* Used the spring open source framework for building JSP based web application based on the Model-View-Controller (**MVC**) design paradigm.
* Improved website security and removed vulnerabilities by enhancing existing code and deployed the application on WebLogic Server.
* Implemented **Log4j** for logging and developed test cases using JUnit.
* Responsible for time to time **Unit Test** using the **Jasmine test** framework.
* Used **Apache** **Tomcat** Application server for application deployment in clustered window environment.
* Used **Bit bucket** as a Version Control System, created and cloned central repository locally, created sub-branches, pull any new changes, and then finally push their changes back to the central repository.

 **Environment:** HTML, XML, SAX, DOM, CSS, JavaScript, JSP, jQuery, Bootstrap, AJAX, JSON, Jasmine, Apache Tomcat,

Java, J2EE, Struts 1.x, Servlets, RAD, UNIX, IBM DB2, WinScP, Putty, Maven.

**Client: Knot Solutions Pvt. Ltd, Hyderabad, India July 2013 – January 2015**

**UI/Web Developer**

**Responsibilities:**

* Involved in software coding, testing, and debugging for web presentation layer using **HTML** and **CSS** according to internal standards and guidelines.
* Experience on working with CSS Background, CSS Layouts, CSS positioning, CSS text, CSS border, CSS margin, CSS padding, CSS table, Pseudo classes and Pseudo elements.
* Performed Client-side validations using **JavaScript**
* Work involved extensive usage of **HTML, CSS, JQuery, JavaScript** and **Ajax** for client-side development and validations.
* Involved in developing **HTML** and JavaScript for client side presentation and, data validation on the client side with in the forms.
* Developed Page layouts, Navigation and presented designs and concepts to the clients and the management to review.
* Developed web presentation layer using **HTML** and **CSS** according to internal standards and guidelines.
* Developed UI for responses from **API's** for third party integration (JSON file format) and applied data visualization by dynamic graphs & charts with data fetched form **JSON** objects.
* Provided production support for the project and carried out the required changes.
* Worked on CVS as a source code management system.
* Worked with Marketing and Brand Management teams to develop new functionalities using **My SQL, JavaScript** technologies for development and the maintenance of the system.
* Responsible for **XML** Database Manipulation parsing for applications in **MYSQL.**

**Environment:** HTML, CSS, JavaScript, JSON,JQuery**,** Ajax**,** API's Eclipse, XML, Explorer, Chrome, Firefox, Windows, XML and MYSQ