**Name: Ajith S Email: ajith.s6623@gmail.com**

**Role: Sr. Java Full Stack Developer Ph: +1 206-651-5227**

**PROFESSIONAL SUMMARY**

* **9+** of hands-on experience in the field of information technology, with a strong focus on designing and developing enterprise applications utilizing **Java** and **J2EE** Technologies.
* Expertise in advanced software development methodologies such as **Agile** (Scrum, Kanban), Waterfall, Test Driven Development (**TTD**), and Incremental and Iterative methodology.
* Excellent designing, architecting, debugging, and troubleshooting skills.
* Proficient in developing feature-rich, responsive web applications using various **front-end** technologies, such as HTML5, CSS3, JavaScript, TypeScript, Angular, ReactJS, Node.js, Ajax, JSON, jQuery, and Bootstrap. Additionally, experienced in utilizing various **back-end** technologies, including Java, Hibernate, Spring IOC, Spring AOP, Spring DAO, Spring MVC, Spring Security, Spring Boot, Spring JPA, Spring Web Flow, and Spring Cloud to develop robust solutions.
* Skilled in implementing features like data binding, routing, and forms management using **Angular**.
* Proficient in utilizing **ReactJS** to create reusable components, including sliders, charts, grids, and handling events and DOM objects.
* Experience with **Java 8** features like Streams, Lambda expressions, functional interfaces, etc.
* Expert in **Core Java** concepts like Garbage Collector, Collections, Multithreading, Event handling, Exception handling, Generics, Serialization, Thread pools, and Java beans.
* Extensive experience in **J2EE technologies** such as Hibernate, JPA, JDBC, Servlets, Struts, JSF, JSP, JSTL, JMS, EJB, JiBX, JAX-WS, JAX-RS, JAXB, JAX-RPC.
* Hands-on experience in developing and deploying microservices architecture using **Spring Boot,** with expertise in designing and implementing **RESTful APIs**.
* Expertise in developing data models using the Hibernate Object-relational mapping (ORM) framework, utilizing Hibernate Annotations to streamline configuration and reduce development time.
* Hands-on working with **relational databases** like MySQL, PostgreSQL, Oracle, DB2, and **No-SQL databases** like MongoDB, Cassandra, and DynamoDB.
* Experienced in **RDBMS** Design, ER modeling, views, indexes, sequences, stored procedures, cursors, functions, triggers, and packages.
* Highly Proficient with Streaming platforms likeApache Kafka, **RabbitMQ**, and **ActiveMQ**.
* Integrated **Apache Camel** with a variety of messaging systems to enable asynchronous messaging and event-driven architectures.
* Knowledge of **Kafka's** publish-subscribe messaging model and its use cases such as real-time data streaming, event sourcing, and log aggregation.
* Strong working experience with Amazon Web Services (AWS) and experience in deploying applications to **AWS** cloud services like EC2, S3, RDS, Elastic Beanstalk, and DynamoDB.
* Experience in integrating **Jenkins** with Docker container using **Docker** pipeline plugin and provisioning the EC2 instance using **Amazon EC2** plugin.
* Proficient in **Kubernetes** and other container orchestration platforms, able to design, deploy, and scale containerized applications in a highly available and fault-tolerant manner.
* Experience in using **SonarQube's** reporting and visualization features for code quality metrics and trends.
* Proficient in utilizing a diverse range of testing tools and frameworks including JUnit, Mockito, Jest, Enzyme, Jasmine, and Karma.
* Experience in **UNIX/LINUX Shell Scripting** and deploying applications on servers.
* Proficient in deploying applications on various application servers such as Apache Tomcat, JBoss, WebLogic, and WebSphere.
* Expertise in utilizing **Maven** and Gradle as build tools for application assembly and deployment.
* Proficient in using **Log4j** to create detailed and accurate logs that are instrumental in the debugging and performance optimization of applications.

# **TECHNICAL** **SKILLS**:

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| Programming Languages | Java, Python, C, C++, C# |
| Frameworks | Spring, Spring Boot, Spring MVC, Spring IOC, Spring AOP, Spring DAO, Spring Web Flow, Spring Cloud, Spring Security, Spring Data, Hibernate, Struts |
| J2SE/J2EE Technologies | Java, J2EE, JDBC, Servlets, JSP, Java Beans, JSTL, JSF, EJB, JTA, JNDI, JPA, Web Services (JAX-RPC, JAX-WS, JAX-RS, JAXB, JiBX, SOAP, REST, WSDL, UDDI and RESTFUL) |
| Web Technologies | HTML5, CSS3, JavaScript, TypeScript**,** jQuery, Bootstrap, ReactJS, NGRX, Redux, AJAX, Angular, Node.js, Express.js, JSON |
| Messaging Technologies | Apache Kafka, RabbitMQ, ActiveMQ, Apache Camel, JMS |
| XML Technologies | XML, XSL, DOM, SAX, DTD, XQuery, XSD and XSLT |
| Cloud Platforms | AWS, Google Cloud Platform, Pivotal Cloud Foundry (PCF) |
| Databases  | Oracle, PL/SQL, MySQL, PostgreSQL, DB2, Cassandra, MongoDB, DynamoDB |
| Web /Application Servers | Apache Tomcat, JBoss, WebSphere, Web logic |
| Build tools and Performance Managing Tools | Maven, Gradle, Jenkins, Docker, Kubernetes, SonarQube, Splunk, JIRA, Confluence |
| IDE’s | Eclipse, IntelliJ, Spring Tool Suite (STS), NetBeans, RAD, WebStorm |
| Testing Tools / Frameworks | JUnit, Mockito, Jest, Enzyme, Jasmine, Log4j, SOAP UI, Postman |
| Version Controls | GIT, SVN, Bitbucket, CVS |
| Operating Systems | Windows, UNIX, LINUX, Mac OS |
| Methodologies | Agile (Scrum, Kanban), Waterfall, TDD, OOAD |

**PROFESSIONAL EXPERIENCE:**

**Client: Amazon Web Services, Seattle, WA Nov 2021 - PRESENT**

**Role: Full Stack Developer**

**Responsibilities**:

* Adhered to Agile Methodology (Scrum) to effectively meet customer requirements and deadlines while delivering high-quality results.
* Boosted customer response rates by 37% through successful implementation of feedback postponement feature.
* Proactively creating **AWS** **Glue** jobs and building custom **CloudWatch** alarms, we were able to optimize our **AWS** infrastructure and ensure seamless data processing, resulting in faster and more efficient data analysis for our customers.
* Utilized powerful **AWS**-backed backend **Java** **microservices** and cutting-edge **React** and **Typescript** front-end clients to deliver a seamless and high-performance user experience.
* By leveraging the power of **AWS** and **CloudFormation**, we were able to efficiently create and manage **DynamoDB** tables, delivering a reliable and scalable database solution that meets the needs of our customers.
* By actively participating in architectural changes related to the **Cliometrics** **logging** platform, **Grafana** we were able to enhance the **reliability** and **scalability** of our **logging** **infrastructure**, ensuring our customers receive the highest quality service and insights possible.
* Logged client events and set up **monitoring** **dashboards** to help operation excellence and enabling better feature adoption insights.
* Proactively addressed customer-facing issues and ensured service uptime through participation in on-call responsibilities.
* Designed and developed dynamic and responsive web applications using **Angular**, **JavaScript**, **HTML5**, **CSS3**, and **Bootstrap**.
* Utilized **Angular Router** to construct single-page applications, enabling seamless navigation across various states and multiple models.
* Writing unit tests for **NGRX** store, actions, reducers, and effects using frameworks like **Jasmine** and **NGRX** testing utilities to ensure the correctness and reliability of state management.
* Worked with **JSF** components such as managed beans, validators, converters, and event listeners to implement dynamic and interactive web pages.
* Used XML, JavaScript, and **jQuery** to enhance the user interface and facilitate communication with Java controllers.
* Utilized Java **multithreading** to cascade multiple changes on multiple records in a single transaction.
* Extensively used Java 8 features such as **Lambda Expressions and Functional Interfaces** toenhance code readability and conciseness.
* Implemented **Spring Boot Microservices** to modularize the application into distinct sub-modules. By adopting a microservices architecture, I utilized Spring-based services to seamlessly integrate users.
* Utilized Spring annotations and **XML** configuration for Dependency Injection.
* Developed user management screens using Spring framework and **DAO** classes using Hibernate framework for persistence management and was involved in integrating the frameworks for the project.
* Developed the persistence layer using **Hibernate Framework**, created the POJO objects, and mapped using Hibernate annotations.
* Implemented the business logic layer for **MongoDB** services, ensuring efficient and reliable data management and performed **CRUD** operations like Insert, Select, Update, and Delete the data in the MongoDB database.
* Developed REST Web Services to allow communication and getting the member information from the third-party using **REST** and implemented Response Entity to modify the response codes.
* Build and configure various resources such as EC2 instances, Lambda functions, and Load Balancers.
* Leveraged **AWS** to deploy the project on an **EC2** instance, effectively utilizing **Amazon Elastic Beanstalk** to deploy microservices as RESTful Java web services.
* Responsible for creating images using **docker containers** and deploying the dependencies into development, quality, and production environments.
* Used **Kubernetes** to orchestrate the deployment, scaling, and management of Docker Containers.
* Implemented **Kafka** producer and consumer applications on Kafka cluster setup with the help of Zookeeper.
* Used **Log4j** to log various types of events, such as debug, info, warning, error, and fatal.
* Utilized **Splunk** to monitor, analyze, and troubleshoot various types of data, such as logs, metrics, and events.

**Environment**: Java 11, Core Java, J2EE, Angular, HTML 5, CSS 3, Bootstrap, JavaScript, jQuery, JSF, NGRX, Jasmine, Spring Framework, Spring Boot, Microservices, Hibernate,XML, REST, Multithreading, MongoDB, AWS, Amazon Elastic Beanstalk, Maven, Docker, Kubernetes, Apache Kafka, Log4j, Splunk, Postman.

**Client: Wells Fargo, Charlotte, NC Jan 2020 – Oct 2021**

**Role: Sr. Java Developer**

**Roles & Responsibilities:**

* Involved in Scrum meetings, Sprint planning and estimation of the tasks for the user stories.
* Involved in various SDLC phases like Requirement gathering, Design, Analysis and Code development.
* Developed applications using new features of Java 8such as Local Va.
* Familiarity with Netflix OSS cloud services such as Eureka, HYSTRIX, Ribbon and ZUUL.
* Implemented Microservices architecture applications using Spring Boot, Spring Cloud config, Netflix OSS components (Eureka, ZUUL, HYSTRIX), AWS, Cassandra, My SQL, Restful Web Services.
* Used Java8 features like stream and Lambda expressions.
* Used spring-config-server to centralize all the application related properties.
* Working with Node.js as web server created a highly scalable server, creating non-blocking functions.
* Using Express Framework to set up middleware to respond to the HTTP requests with the help of Node JS.
* React/Redux layer requests the template through CDN which caches the templates for a specific period.
* React has component-based approach to UI development and is comparatively faster due to its diffing algorithms which use Virtual DOM to handle re-paints to the webpage.
* Used Spring-Cloud to bring up an instance of Eureka and created a set of cloud microservices.
* Used Microservice architecture with Spring Boot services interacting a combination of REST and RabbitMQ message brokers.
* Interacting with the system analysts & business users for design & requirement clarification.
* Extensive use of HTML5 with Angular JS, JSTL, JSP and jQuery for the presentation layer along with JavaScript for client-side validation.
* Taken care of Java Multithreading part in back-end components.
* Developed HTML reports for various modules as per the requirement.
* Developed Web Services using SOAP, SOA, WSDL Spring MVC and developed DTDs, XSD schemas for XML (parsing, processing, and design) to communicate with Active Directory applications using Restful API.
* Functional knowledge in implementation of AWS Cloud based technologies like Elastic Servers, EC2 Instance and S3.
* Created multiple RESTful web services using jersey 2 framework.
* Used AQUALOGIC BPM (Business Process Managements) for workflow management.
* Used Apache ActiveMQ for fast, supporting many Cross-Language Clients and Protocols, comes with easy-to-use Enterprise Integration Patterns and many advanced features.
* Developed the Web Based Rich Internet Application (RIA) using Adobe Flex.
* Developed an application using NOSQL on MongoDB for storing data to the server.
* Developed complete business tier with stateful session Java beans and CMP Java entity beans with EJB 2.0.
* Developed integration services using SOA, Web Services, SOAP, and WSDL
* Designed, developed, and maintained the data layer using the ORM framework in Hibernate.
* Used Spring framework's JMS support for writing to JMS Queue, Hibernate Dao Support for interfacing with the database and integrated Spring with JSF.
* ANT is used for building, and the application is deployed on JBoss application server.
* Involved in writing Unit test cases using JUnit and involved in integration testing.
* Used Spring Annotations to simplify the business logic for creating Spring MVC RESTful web services.
* Design and Implementation of MongoDB database.
* The product API’s, Category and bunch of Browse API’s caching is done in Redis by getting data from WCS.
* Implemented MVC architecture with React components as Views, models, and controllers in Node.js for API development.
* Implemented a stream filtering system on top of RabbitMQ to reduce stream size.
* Splunk supports multiple types of devices, such as workstations, servers, network devices, virtual machines, mobile, and Internet of Things (IoT) devices.
* Service-now used to raise the incidents and work on the incidents related to customer.
* Used Git, Bitbucket as part of version control system for code check-ins.
* Used JIRA tool for tracking stories progress and follow agile methodology.

 **Environment:** Java, AngularJS, Jenkins, CSS, JDBC, Servlets, JDBC, EJB, Java Beans, Hibernate, Spring MVC, Restful, JMS, MQ Series, AJAX, WebSphere Application Server 5.0, SOAP, XML, MongoDB, Maven, JUnit, Ant, Rational Suite, CVS Repository, JSP, Servlets, Node.js, Struts 2, HTML, Spring 2.5, HTML, DHTML, JavaScript, jQuery, Oracle, MySQL, IBM Web Sphere 6.0, JUnit, XLS, XML, DB2, ANT, Windows NT, AWS.

**Client: AFLAC Incorporated, Charlotte, NC Feb 2018 – Dec 2019**

**Full Stack Developer**

**Responsibilities**:

* Followed the Agile (Scrum) development methodology to ensure the delivery of high-quality work through monthly iterations, actively involved in sprint planning and retrospectives, contributing to the effective planning and continuous improvement of the development process.
* Responsible for gathering and translating functional requirements into technical specifications.
* Developed the presentation layer using JSP, HTML5, CSS3, and implemented client-side validation using JavaScript.
* Utilized **ReactJS** to develop high-quality, reusable, and scalable components, incorporating **JSX** syntax to build React components and views.
* Developed routing components in the application using the **react-router** module for various components and views to turn the application into **Single Page Application**.
* Implemented multiple screens on the front-end using ReactJS, incorporating a variety of pre-existing components from **NPM** and theRedux library.
* Resolved conflicts and issues related to **Redux** store interactions and data flow between components.
* Developed and maintained unit and integration tests for React components using **Jest** and **Enzyme**.
* Developed Java code to implement flexible callback and polling mechanisms between external microservices.
* Leveraged the new **Stream API** in Java to write code that efficiently and concisely handles data filtering, sorting, and mapping operations.
* Utilized **Spring Boot** to develop microservices, employing RESTful endpoints to fetch data from the client-side following the Microservice architecture. Additionally, Incorporated **Spring Security** for authorization purposes and deployed the application/microservices on the AWS cloud.
* Implemented the persistence layer Spring Web Flow on **Spring MVC** for building flows in our web application.
* Used **Spring AOP** Module to implement logging in the application to know the application status.
* Used **SQL** for fetching and storing data in databases and designed and developed the Validators, Controller Classes, and JavaBean components.
* Wrote SQL queries, stored procedures, and modified the database structure for additional features.
* Utilized Hibernate Transaction Management, Hibernate Batch Transactions, and cache concepts while implementing DAOs and Entities using the **Hibernate API** and Hibernate Query Language (HQL).
* Designed and developed **RESTful** web services using the JAX-RS API for communication over the network. Tested the developed web services and sent payload data from a property file.
* Experience in creating API keys and usage plans in **AWS API** Gateways and using these keys across different regions to access the API Gateway services provided by Amazon Web Services (AWS).
* Configured, managed, and developed APIs for **AWS Lambda** using both the AWS Management Console and AWS SDKs, enabling efficient server management and code execution within the AWS environment.
* Used **Pivotal Cloud Foundry (PCF)** CLI for deploying applications and other CF management activities.
* Designed and implemented complex integration solutions using **Apache Camel**, including message routing, filtering, transformation, and aggregation.
* Worked on creating **Kafka** Adaptors for decoupling the application dependency, and Integrated Kafka source to read the payment confirmation messages. Used **Kibana** to identify the Kafka message failures.
* Automated continuous integration and delivery workflows using **Jenkins** to deploy Microservices applications through **Docker** containers.
* Collaborated closely with the QA team, assisting in the development of their test cases for unit testing using **JUnit** and Mockito.
* Involved in documentation by writing the technical documents for the project on **Confluence**. Also, part of the presentation team to the company’s executives.

**Environment**: Java 11, Core Java, Spring MVC, Spring AOP, Hibernate, JavaScript, ReactJS, Redux, JSX, HTML5, CSS3, JSP, MySQL, Apache Camel, Kafka, RESTful Web Services, Kibana**,** JUnit, Mockito, Jest, Enzyme, Jenkins, Docker, Pivotal cloud foundry (PCF), Amazon Web Services (AWS), AWS Lambda, Confluence, Agile (Scrum).

**Client: Alliant Energy, Madison, WI July 2016 - Jan 2018**

**Java / J2EE Developer**

**Responsibilities**:

* Implemented Agile (Kanban) methodology to foster collaboration, iterative development, and frequent feedback, resulting in enhanced productivity and successful project outcomes.
* Worked with **JAVA 8** features like stream API, Functional interfaces, Multithreading, Transaction management, Time API, Exceptional Handling, and Collection API.
* Developed dynamic and responsive Web pages from scratch using HTML5, CSS3, and JavaScript.
* Used **Angular Forms** and Validators to create and validate complex user input forms, while implementing modular and reusable controller code following best practices using Angular controllers.
* Enhanced existing JavaScript code to take advantage of new **TypeScript** features, such as interfaces, Enums, and decorators, to improve the clarity and expressiveness of the codebase.
* Used **Node.js** to develop the back-end components and connect the application with the other web services.
* Built a Node server using Node.js and Express.js to populate data on the web page by retrieving it from a database.
* Implemented modules into Node.js to integrate with designs and requirements while optimizing the performance of the Node.js application.
* Implemented **J2EE** design patterns like Front Controller, Service Locator, DAO, and Session Facade.
* Developed stored procedures and triggers in the **Oracle database** to implement business logic, enabling calculations and updates to be performed on the tables.
* Handled response data from **SOAP** Web Services by utilizing XML, JSON, and jQuery to update the UI. Additionally, Interacted with Java controllers to facilitate the process.
* Worked with **Express.js** for the development of Soap web services and middleware configurations.
* Used **Maven** for dependency management and **SonarQube** to detect and fix quality issues.
* Used **Java Messaging Services (JMS)** for the reliable and asynchronous exchange of important information such as payment status reports and parsing of JMS XML messages.
* Involved in building the code and deploying it on the **JBoss application server**.
* Developed and configured Jasmine test cases using the **Jasmine** testing framework to effectively test Angular controllers responsible for UI components.
* Developed test cases and performed testing using **JUnit** and **Mockito** and followed test-first development.

**Environment**: JAVA 8,J2EE, HTML 5, CSS 3, XML, Angular, JSON, JavaScript, TypeScript**,** jQuery, Node.js, Express.js, SOAP, Oracle DB, Jasmine, WebStorm IDE, JUnit, Mockito, Maven, SonarQube, JBoss, Java Messaging Services (JMS), Agile (Kanban).

**Client: DuPont De Nemours, Inc, Wilmington, DE Aug 2013 - June 2016**

**Role: Java Developer**

**Responsibilities**:

* Involved in the implementation of designs throughout the key phases of the Software Development Life Cycle (SDLC), including Development, Testing, Implementation, and Maintenance Support, following the **Waterfall** methodology.
* Worked with **Core Java** concepts like Collections, Multithreading, and Memory management.
* Used Eclipse Integrated Development Environment (IDE) in entire project development.
* Designed and developed web applications using Struts, HTML, CSS, and **AJAX.**
* Extensively used JavaScript for creating the Global templates that can be used across the **JSP** Pages.
* Enhanced the functionality of the application by implementing user validations and permissions using **Node.js.**
* Designed the Web application implementing the **Struts** framework for Model-View-Controller (MVC) pattern to make it extensible and flexible.
* Created both custom and container based **JDBC** connection pools, designed and developed a new database using **MySQL** as the relational database management system, and handled the development of SQL queries for the database.
* Followed Use Case Design Specifications and developed Class and Sequence Diagrams.
* Configured and customized **Log4j** to enhance the performance of the application by optimizing logging mechanisms and improving log management.

**Environment**: Core Java, J2EE, HTML, CSS, JavaScript, JSP, AJAX, Node.js, Struts MVC, SQL, MySQL, Log4j, JDBC, Eclipse IDE, Waterfall.