**Name: Sahithi Jagarlamudi**

**Lead Java Full Stack Developer**

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**Professional Summary:**

* **Over 12+ years of experience** in analysis, design, implementation and testing of Object-Oriented Applications in Client/Server environments using Java/J2EE and front-end technology stack.
* Experience working with various methodologies based on Agile, Scrum, Waterfall Model, TDD, Iterations.
* Expertise in Object Oriented and Multi-threaded/Concurrent Programming using Java/J2EE related technologies.
* Experienced in Middleware persistence framework like Hibernate/JPA, JDBC, iBATIS for mapping Java POJO classes/objects with database and using Hibernate Query Language (HQL).
* Experienced in Full stack front end technologies using GruntJS, Gulp Server, Yeoman generator for Angular.
* Experienced in Client-side validation, Client-Server data interaction using Ajax in Nodejs.
* Experience in working with Service Oriented Architecture (SOA) which includes Universal Description and Discovery Integration (UDDI) lookups and WSDL, JAX-WS and JAX-RS using rest protocol.
* Designed and developed the End Points (Controllers), Business Layer, DAO Layer using Hibernate and Spring IOC (Dependency Injection).
* Hands on experience in Front-End technologies like Angular 9, Angular 8, Angular 6, ReactJS, NodeJS, JavaScript, Type Script, HTML5, CSS3/4, Bootstrap, Tag Libraries, AJAX for web page designing.
* Experience in using various AWS Components like EC2 for virtual servers, S3 Glacier storing objects, EBS, Cloud Front, Elastic Cache, IAM, S3, Cloud Watch, Cloud Formation and DynamoDB.
* Experienced in designing and developing enterprise and web applications using Java 7/8, Servlets, Kotlin, JSP, JDBC, JNDI, JPA, Struts, EJB, Spring, Hibernate, Scala, SOAP, REST, AWS, JMS, XML, JUnit.
* Experience in monitoring logs in Kibana Tool for Talon APIs.
* Experience in developing web-based applications using Angular JS, VB, XML, CSS, HTML, DHTML, JavaScript and J Query.
* Experience in developing web applications using technologies like HTML, Java Script, AJAX, DOJO, JSON, CSS, JSP Tag libraries, JAVA11, and GWT. Hands on experience with Node.js. Express.js. Next.js, Redis.
* Extensive experience in UML Modeling diagrams developing Such as Use Case diagrams, Kotlin Class diagrams and Sequence diagrams.
* Having good knowledge of NOSQL databases like DynamoDB and Mongo DB Concepts.
* Developed applications using latest technologies like EJB3.0, Spring2.x/3.x/4.x, Hibernate3.2/4.x, and REST based Web services (axis2.0, JAX WS 2.0), Rule Engines (Drools4.1, ILOG), XML API and tools.
* Experienced in Apache Spark for implementing advanced procedures like text analytics and processing using the in- memory computing capabilities written in Scala.
* Experience in implementing Java EE design patterns such as MVC, Singleton, Factory, Session Facade, DAO, DTO, Command and Business Delegate in the development of multi-Tier distributed Enterprise Applications.
* Excellent knowledge of spark components like Spark SQL, MLlib, Spark Streaming and GraphX.
* Experience in configuring and deploying applications on Tomcat, WebSphere, WebLogic and JBoss Servers.
* Good Experience in designing Java, J2EE applications using Amazon Web Services and have good knowledge on AWS services like EC2, S3, Elastic Beanstalk, ELB, VPC, Direct Connect, Route53, SNS, SQS, Cloud Watch.
* Used Spring Kafka API calls to process the messages on Kafka Cluster setup.
* Expertise in writing complex SQL queries in Azure snowflake to test pre and post ingestion activities.
* Architected Heroku ENVS, AWS services (EC2, S3, SNS, RDS, Elasticsearch). Supported all hardware, software, and manufacturing efforts including release management, monitoring, and escalation procedures.
* Experienced in working with multiple databases like Oracle 10g/11g/12c, SQL Server, MySQL, DB2, NOSQL DB like Mongo DB, Cassandra and written complex SQL queries, procedures, Triggers and Stored procedures.
* Experience in debugging and logging using the log framework - log4j and analysis and reporting with Splunk.
* Experience Microsoft Azure date storage and Azure Data Factory, Data Lake.
* Implemented Spark using python and Spark SQL for faster testing processing the data.
* Expertise in applying JMS (Java Messaging Service) for reliable information exchange across Java applications using Apache Kafka to communicate from Client to server.
* Expertise in using Apache Kafka in cluster as messaging system between the APIs and microservices.
* Experience in maintaining log delivery systems by creating producer, consumer and broker architecture using Apache Kafka.
* Deep hands-on experience on building scalable web service architectures with various relational (MySQL, SQL Server. Redshift), and distributed database systems (Graph DB, Mongo DB. Elastic Search, Redis). Designing, Deploying. Administering, Monitoring, optimizing large Distributed data Clusters using MongoDB, Elastic Search. Worked with NOSQL database to store JSON like dynamic connections data.
* Experienced in application build tools like ANT, Maven, Jenkins, Kubernetes, and Docker.
* Strong experience in TDD, using the JUnit framework with Mockito, Power Mockito & Spring Junit Runner.
* Good experience in unit testing using Karma, Jasmine and JUnit, Automated Testing Selenium (IDE/Web driver), Integration testing using Jenkins, and Apache Camel.
* Experienced in development, testing and deployment of enterprise applications on Windows & UNIX platforms using IDEs such as Eclipse, Rational Application Developer (RAD), NetBeans, Spring Tool Suite (STS), intelliJ.

**Technical Skills:**

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| --- | --- |
| **Programming Languages:** | C, C++, Java, PL/SQL |
| **JavaScript Frameworks:** | Angular JS, Angular 2+, jQuery, Node.js, Backbone.js, React.js, Express.js, Ember.js, Handlebars.JS |
| **Java/J2EE Technologies:** | Servlets, Spring, EJB, JPA, JTA, JDBC, JSP, Thymeleaf, JSTL, Java 1.8 |
| **Frameworks:** | Struts 2.0/1.0, Hibernate 4.x/3.x, Spring 3.0, Spring Batch, Spring Security, Spring AOP, Spring Core, JSF, iBATIS, Spring IOC |
| **Web Technologies:** | HTML, HTML5, CSS/CSS3, AJAX, jQuery, Bootstrap, XML, Grunt, Gulp, JSON. |
| **Database:** | SQL Server, MySQL, Oracle, Mongo DB, DB2 |
| **Cloud Technologies**: | Amazon EC2, S3, simple DB, Elastic Load Balancing, SQS, EBS, cloud front, EKS and PCF. |
| **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 Servers:** | Oracle WebLogic 10.x/9.x, IBM WebSphere 8.x/6.x, Apache Tomcat 8.0/7.x/6.x |
| **Application Servers**: | Apache Tomcat, WebLogic, IBM WebSphere, JBoss |
| **Methodologies:** | Agile, Waterfall, OOAD, SCRUM |
| **Testing Tools**: | JUnit, Mockito, Jasmine, Karma, Mocha, Chai, Selenium |
| **Version Control:** | SVN, CVS, GIT, GITLAB |
| **Build Tools:** | Maven, Gradle, ANT |
| **IDEs**: | Eclipse IDE, RAD 6.0/7.0, IntelliJ IDEA, Spring Tool Suite (STS) |
| **Operating Systems:** | Windows, iOS, Linux, and UNIX |
| **Software**: | Visual Studio, Rational Rose, and Microsoft Office. |

**Professional Experience:**

**Client: Optum (100% Remote) Feb 2023** - **Present**

**Role: Lead Java Full Stack Developer**

**Responsibilities:**

* Developed front end for applications using HTML5, CSS3, SCSS, Bootstrap, and Angular 8 frameworks and forms to associate HTML elements to model & provide dynamic user validations on the client-side.
* Developed Apache maven project management tool POM file to automate the build process for the entire application such as manage libraries, compiling and preparing war file.
* Worked with Angular CLI & TypeScript in angular 9 to create controllers, components for webpages.
* Implemented logging library using Angular 9 to share components and services between the libraries.
* Implemented processes using a client scripting language and server scripting languages like JavaScript, jQuery, JSON, Bootstrap, Node JS, AngularJS, React, and Backbone JS.
* Extensive hands-on experience in developing applications using the Grails framework.
* Proficient in Java programming language, specializing in web application development. Designing, developing, and maintaining Java applications using the Quarkus framework.
* Binding of XML Schema to Java Classes made by using JAXB API. Created Angular HTTP Client interceptors to add necessary JSON web Token (JWT) tokens for the outgoing requests.
* Designed and developed the REST-based Microservices using the Spring Boot, Spring Data with JPA (Java Persistence API), and deployed Microservices onto Docker.
* Used React profiler to identify rendering issues, optimized code to improve application performance.
* Defined Angular routes using Router module for components at module level to enable lazy loading for modules and components.
* Developed and maintained robust and scalable web applications using Java and Grails, ensuring high performance and reliability. Developing responsive and interactive user interfaces using Angular 13.
* Used React JS for templating for faster compilation and developing reusable components.
* Proficient in JavaScript and TypeScript, the core languages used in Angular 13 development.
* Works independently and with supervisory review on moderate to highly complex programming tasks. Provides analysis of problems and recommends solutions Typescript, ES6, RxJS, and Immutable JS.
* Expertise in using JS components, Forms, Events, Keys, Router, plus Redux, and Flux concepts.
* Developed cross-platform server-side applications using Node, BackBone.js, and Angular to achieve scalability in real-time web applications.
* Leveraging Quarkus core features, such as dependency injection, reactive programming, and RESTful API support, to build efficient and scalable applications.
* Developed scalable and high-performance applications using GoLang, leveraging its concurrency and efficient execution capabilities.
* Strong understanding of object-oriented programming principles and design patterns, applied in Java and Grails development projects.
* Worked on React Virtual DOM, React views, rendering using components that contains custom HTML tags.
* Worked extensively with ECMAScript 6 features JSX, Babel, Grunt and Webpack.
* Configuring routing and navigation within an Angular 13 application.
* Used Spring Boot, which is radically faster in building cloud based Microservices with very less configuration.
* Used Spring IOC, and AOP for creating beans and transaction management.
* Configured AWS Multi Factor Authentication in IAM to implement 2 step authentication of user's access using Google Authenticator and AWS Virtual MFA.
* Used Spring Security (JWT) JSON web Token to control Authentication and Authorization to access resources.
* Created Typescript reusable components and services to consume REST APIs using Component-based architecture provided by Angular.
* Designed and implemented RESTful APIs and microservices in GoLang, ensuring robustness, security, and seamless integration with frontend and third-party systems.
* Optimizing the performance of Quarkus applications through compile-time enhancements, efficient memory management, and caching mechanisms.
* Used Spring JPA, hibernate to establish database connection pool and leaks, and perform data transactions.
* Have Written Groovy Scripts which makes use of Java libraries and classes already implemented.
* Involved in building the application which works on mainly Groovy grails. Used groovy and spring boot to collect the data from users and packaged the data as JSON distributed to 43 applications.
* Utilized AWS Lambda platform to upload data into AWS S3 buckets and to trigger other Lambda functions (EC2, MongoDB) focusing on high-availability, fault tolerance, and auto-scaling.
* Implemented RESTful APIs and integrated them with front-end technologies, utilizing Grails' built-in support for creating web services. Deployed Spring Boot based microservices on Docker containers using AWS ECS.
* Used a Microservice architecture with Spring Boot-based services interacting through a combination of REST to build, test and deploy identity Microservices.
* Creating robust and scalable web applications using Angular 13, following industry best practices and coding standards. Developed AWS environment by provisioning EC2 instances using Docker, Bash, and Terraform.
* Developing microservices-based architectures using Quarkus, including implementing service endpoints, managing service discovery, and ensuring fault tolerance and load balancing.
* Integrated and utilized GoLang libraries and frameworks to accelerate development and improve code quality.
* Designed micro-components, microservices, deploy on cloud platform AWS using an automated process through services like Lambda, EC2, S3, Code Deploy, Code Pipeline, VPCs, Subnets, and Security Groups.
* Integrated third-party libraries and plugins within the Grails ecosystem to extend application functionality and improve development efficiency.
* Manage all levels of AWS services within the organization which consists of living, staging, QA environments.
* Extensively involved in infrastructure such as code, execution plans, resource graph, and change automation using Terraform.
* Experience in using build/deploy tools such as Jenkins, Docker, and OpenShift for Continuous Integration & Deployment (CI/CD) for Microservices.
* Proficient in troubleshooting and debugging complex issues, utilizing tools and techniques specific to Java and Grails development.
* Integrating Quarkus applications with databases and data persistence technologies, such as Hibernate, JPA, or MongoDB.
* Extensively used the advanced features of PL/SQL like Records, Tables, Object types, and Dynamic SQL.
* Used Rabbit MQ, and Active MQ for asynchronous processing of messages in a microservice architecture.
* To convert the entire event flow into a SOA based architecture used Rabbit MQ as a queues and BUS.
* Worked on generating the classes for SOAP and RESTful web services using Apache CXF.
* Worked on JMS API for developing message-oriented middleware MOM layer for handling various asynchronous requests.
* Used Docker to provide virtualized deployment containers, pushed code to AWS EC2 using PCF.
* The application front end is hosted on AWS S3 front end by CloudFront CDN. Document Management using S3 is available from the application.
* Implementing internationalization (i18n) and localization (l10n) features in Angular 13 applications.
* Worked on configuring Cross-Account deployments using AWS Code Pipeline, Code Build and Code deploy by creating Cross-Account Policies and roles on IAM.
* Implemented unit tests and utilized automated testing frameworks in GoLang to ensure code reliability and minimize regression issues.
* Deploying Quarkus applications in containerized environments using Docker, Kubernetes, or other container orchestration tools.
* Involved in provisioning and Automation servers on public cloud like AWS and Kubernetes.
* Experienced on Vagrant, AWS and Kubernetes based container deployments to create self-environments for dev teams and containerization of env’s deliver for releases.
* Used Microservice architecture with Spring Boot-based services interacting through a combination of REST and Apache Kafka message brokers and worked with Kafka Cluster using Zookeeper and Scala microservice.

**Environment:** Java, J2EE, JAXB, Angular 8/9, ECMAScript, Kafka, Struts, HTML5, JDBC, Hibernate, CouchDB, Spring Boot 2. x, Spring MVC, Spring JPA, Spring Web, Spring REST, Spring Web Flow, Spring Web Flux, Spring Security, JBoss, Groovy, Log4j, WebLogic, Tomcat, JUnit, Mockito, Annotation, Mule ESB, jQuery, SOAP and RESTful Web Services, Apache CXF, Oracle, Eclipse, Tomcat, Agile, Python, Jenkins, Docker, Selenium, Cucumber, AWS, Kubernetes, CloudFront, Maven/Gradle, RabbitMQ, Swagger, Splunk.

**PayPal,** [**San Jose, CA**](https://www.google.com/search?sca_esv=570758810&sxsrf=AM9HkKl0q3U2s5DS8mUF12wlAVm9aExRmQ:1696451792807&q=San+Jose,+California&si=ALGXSlZS0YT-iRe81F2cKC9lM9KWTK4y0m5Atx8g9YliNNw2mdkxhuDkWFYx8d0fF_yE9Nlv7FQdHkIyXZB9WskXolRMoL0MfK4lv89qZ1Yp4cxikzHqPP0zXDc7lOzFyN8uI2O8gzv52s8S9tQ1Lv-VcLsFkpdN2I6-t3PeKO6bP1QqK-xRIkGKjnMi_ep69-RiOrQZdzBUUnebDYkrtV3qhS6ma_jTzQ%3D%3D&sa=X&ved=2ahUKEwikkvSzn92BAxVElGoFHaXJAiEQmxMoAXoECEgQAw)**. Jan 2022** – **Dec 2022**

**Role: Sr. Java Full Stack Developer**

**Responsibilities:**

* Worked with external teams in TRP to check the requirements and help them in creating the scenario and job JSON files for data reconciliation process.
* Gathered the data from different resources and stored it in database and change data for data analysis of system requirements and performance.
* Used jQuery UI plugins like Draggable, API, Resizable, Autocomplete, Kotlin, AJAX, React JS, Java Script, Spark, JSON, Angular JS in developing interactive web pages.
* Developed Spark Applications by using Scala, Java and implemented Apache Spark data processing project to handle data from various RDBMS and Streaming sources.
* Used Node.JS, React.JS, and Backbone.JS MVC framework for developing the Single Page Application (SPA). Backend development done using Node.js, Koa, Cassandra, and Redis.
* Used GIT as source code collaborator and GitHub for maintaining code and documentation.
* Used Java8 Method References feature to point to methods by their names.
* Using lambda expressions, Stream API, optional and JODA time features provided by Java 8.
* Used React JS for tinplating for faster compilation and developing reusable components.
* Migration of Legacy system to Talon, writing microservices using Spring Boot.
* Design and developed the application using React with internal frameworks (Remix and GSSP framework).
* Worked on React JS Virtual Dom and React views, rendering using components which contains additional components called custom HTML tags.
* Experience with core java/ JDK, MongoDB, NoSQL/SQL GIT. JSON and DB2.
* Imported data from AWS 53 into Spark RDD. Performed transformations and actions on RDD's.
* Extensive working experience on Apache Kafka, Confluent Kafka, Kafka Streaming using KStream, KTable.
* Developed code with Java SDK to connect with AWS Services. Worked with S3 for storing and retrieving data stored in S3 buckets. AWS SQS for bulk email processing Data backup and archiving on AWS using Glacier and Dynamo DB to store the data for metrics and backend reports.
* Using lambda expressions, Stream API, optional and JODA time features provided by Java 8.
* Used Java 8 Method References to point to methods by their names and used functional Interfaces.
* Develop new UI application for Jackpot using React Material UI and ANT. Collaborate with development team on MySQL data sharding, query optimize, Memcached setup.
* Good knowledge of maintenance and production support by integrating all the modules and debugging production logs thereby stabilizing the system.
* Hands on experience on Versioning and documentation with Swagger on Talon.
* Worked on Node.js Middleware framework like Express.js and Hapi.js and Yeoman, essentially developed microservices and serve them through middleware. Served any Client-side libraries through microservice.
* Used JSON Schema identifier to process the parameter files quicker to avoid any exceptions in next steps.
* Developed scripts to handle auto deploys to QA environment using Jenkins and git configurations on code pushes to various microservices. Deploying docker images as Fargate in AWS.
* Implemented an express-graphQL library to mount a Graph QL API server on the user-configured HTTP endpoint. Implemented the Restful API using Sequelize.js with Node.js (hapi.js framework).
* Developed Spark Programs using Scala and Java API's and performed transformations and actions on RDD's. Involved in converting Hive/SQL queries into Spark transformations using Spark RDD, Scala, and Python.
* Worked with Container service Docker with build port and other utilities to deploy Web Applications.
* Deployed Spring Boot based microservices Docker container using AWS EC2 container services and AWS admin console. Implemented Kafka Stream to retry error topic record.
* Incorporated react-redux for global state management, mainly for authentication process, and added redux-thunks for asynchronous handling.
* Worked with Kafka Admin team to set up Kafka cluster setup on the QA and Production environments.
* Worked with Spark for improving performance and optimization of the existing algorithms in Hadoop using Spark Context. Spark-SQL Data Frames, Pair RDD's.
* Setup full CI/CD pipelines so that each commit a developer makes will go through standard process of software lifecycle and gets tested well enough before it can make it to the production.
* Extensive experience working on Spring IOC/ Dependency Injection and all Spring modules.
* Worked on Rest Web services for backend services, used Couch base DB (NoSQL) for database services.
* Involved in improving the performance and optimization of the existing algorithms using Spark.
* Automated report generation in MongoDB using java script, shell scripting, sed, java.
* Using Java8 developed API’s as per the business cases analyses the current API with Spring Boot.
* Building web apps with azure service fabric.
* Used NOSQL database Amazon dynamoDB to store data of reporting Application.
* Experience with the Cloud (Azure) DevOps - Infrastructure and Platform as a service.
* Experience and in-depth Knowledge of understanding in the strategy and practical implementation of AWS Cloud Specific technologies including S3, VPC, RDS, SQS, SNS, Cloud Front, Cloud Formation, Elastic Cache, Cloud Watch, Redshift, Lambda, SNS, DynamoDB.
* Implemented APIs using play framework in Scala to perform analytics and persist results in Elastic search.
* Used Micro service architecture with Spring Boot based services interacting through a combination of REST and Apache Kafka message brokers.
* Involved in improving the performance and optimization of the existing algorithms using Spark.
* Maintained the user accounts RDB, Dynamo DB, SES, SQS and SNS services in AWS cloud.
* Used Log4j2 utility to generate run-time logs and NGNIX for reverse proxy server process to load balancing.
* Configured Staging and Testing and Production environment for APIGEE Edge and APIGEE Cloud-based site.
* Worked extensively with AWS services like EC2, S3, VPC, ELB, Autoscaling Groups, Route 53, IAM, CloudTrail, CloudWatch, CloudFormation, CloudFront, SNS, and RDS.
* Developed static and dynamic Web Pages using HTML5, CSS4, Angular 9, Bootstrap.
* Created Docker containers and Docker consoles for managing the application life cycle.
* Setup full CI/CD pipelines so that each commit a developer makes will go through standard process of software lifecycle and gets tested well enough before it can make it to the production.
* Using Java8 developed API’s as per the business cases analyses the current API with Spring Boot.
* Used Microservice architecture with Spring Boot based services interacting through a combination of REST and Apache Kafka message brokers. Implemented latest Kafka consumer incremental rebalancing.
* Experience in developing enterprise level solutions using batch processing (using Apache Pig) and streaming frame (using Spark Streaming, Apache Kafka & Apache Flink).
* For each component, manage state with Reacts internal state object, set State (asynchronous) as minimal as possible. Developed client GUI modules using Swing, Java script and Flash.
* Used Log4j2 utility to generate run-time logs and NGNIX for reverse proxy server process to load balancing.

**Environment:** Eclipse, Visual Studio Code, Java 8, Java11, Dynamo DB, React, High charts, bootstrap, J2EE, Spring MVC, TypeScript, Hibernate JPA, KSQL, JSF, Rust, Stencil.js, Kubernetes, Aura My SQL, PostgreSQL, Micro services, Next.js, Kotlin, gateway, RESTful Web services, AWS, Git, Spark Cluster, STS, Gradle, Angular.

**Google Inc,**[**Mountain View, CA**](https://www.google.com/search?sca_esv=570717024&sxsrf=AM9HkKmQgawSgfg90RdtjAVjsV8kQ8DwIQ:1696446687664&q=Mountain+View,+California&si=ALGXSlZS0YT-iRe81F2cKC9lM9KWTK4y0m5Atx8g9YliNNw2mcz36XbiqIeQ1Va0GDex7kbx7Sv1tR74G3EmqvmKX51atUF4erMyjT9he6d1334zuuphevk4ZOoj62iGb-Ahv7UcqCM35saUaEp-SXbf6SOoLDbEdZyrhbKKslJ5R7d6oOLSrekxja-07LmjREc5ZRFc1LxxYxVO9oL5pUNj_MCxBy6KJw%3D%3D&sa=X&ved=2ahUKEwjX8cqxjN2BAxUdmWoFHR-VDxwQmxMoAHoECFgQAg) **Nov 2020** - **Dec 2021**

**Role: Java Full Stack Developer.**

**Responsibilities:**

* Worked with Business Analysis teams, Product Owner, and Clients in collecting and understanding the business requirements and worked with architects in converting them to functional and technical specifications.
* Utilized Java 8 features like Lambda expressions and Stream API for Bulk data operations on Collections which would increase the performance of the Application.
* Writing and executing unit tests, integration tests, and end-to-end tests for Quarkus applications to ensure their reliability and quality.
* Implementing unit tests and end-to-end tests for Angular 11 applications using testing frameworks like Jasmine, Karma, and Protractor.
* Involve in design and development of the front end for application using HTML5, CSS3, SCSS, Bootstrap and Angular 7/9 frameworks and used reactive & template driven forms to associate HTML elements to model & provide dynamic user validations on client side.
* Implemented processes using client scripting language and server scripting languages like JavaScript, jQuery, JSON, Bootstrap, Node.js, AngularJS, React, Backbone.js.
* Created Angular HTTP Client interceptors to add necessary JWT tokens for outgoing requests from UI.
* Defined Angular routes using Router module for components at module level to enable lazy loading for modules and components.
* Keeping up to date with the latest Angular releases, features, and trends to leverage the full potential of Angular 12 in development projects.
* Implementing monitoring and logging solutions to gain visibility into the performance and health of Quarkus applications, using tools like Prometheus, Grafana, or ELK stack.
* Implementing reactive programming with Angular 11 using RxJS to handle asynchronous operations and data streams. Used React.js for templating for faster compilation and developing reusable components.
* Works independently and with supervisory review on moderate to highly complex programming tasks. Provides analysis of problems and recommends solutions Typescript, ES6, RxJS, Immutable JS.
* Expertise in using JS components, Forms, Events, Keys, Router, plus Redux, and Flux concept.
* Developed cross platform server-side applications using Node, BackBone.js and Angular to achieve scalability in real-time web applications.
* Created TypeScript reusable components and services to consume REST API's using Component-based architecture provided by Angular.
* Use Spring Boot, which is radically faster in building cloud based Micro services with very less configuration.
* Used Spring IOC, AOP for creating beans and transaction management.
* Integrating Quarkus applications into a continuous integration and delivery (CI/CD) pipeline for automated build, testing, and deployment processes.
* Use Spring Security (JWT) to control the Authentication and Authorization to access the resources. Use Spring JPA, Hibernate, Hikari to establish and manage database connection pool and leaks, perform data transactions.
* Have Written Groovy Scripts which makes use of Java libraries and classes already implemented.
* Used a Microservice architecture with Spring Boot based services interacting through a combination of REST to build, test and deploy identity Microservices.
* Following coding best practices, code reviews, and maintaining code quality standards within Angular 11 projects.
* Initiating alarms in CloudWatch service for monitoring the server's performance, CPU Utilization, disk usage etc. to take recommended actions for better performance.
* Developed environments of different applications on AWS by provisioning on EC2 instances using Docker, Bash and Terraform. Worked on generating the classes for SOAP and RESTful web services using Apache CXF.
* Designed and developed micro-components, microservices, and deployed them on cloud platform AWS using an automated process through services like Lambda, EC2, S3, Code Deploy, Code Pipeline, VPCs, Subnets and Security Groups. Used Splunk for monitoring and implementing alerts to recover the applications within SLA.
* Manage all levels of AWS software services within an organization which consists of live, staging, QA environments. Made use of a Data Access Object (DAO) design pattern for designing data access layers.
* Involved in infrastructure as code, execution plans, resource graph and change automation using Terraform.
* Experience in using build/deploy tools such as Jenkins, Docker, and OpenShift for Continuous Integration & Deployment (CI/CD) for Microservices.
* Conducting performance optimization and profiling of Angular 11 applications to enhance speed and efficiency.
* Used Message broker services like Rabbit MQ, Active MQ for asynchronous processing of messages in a micro service architecture.
* Providing technical guidance and mentoring to junior developers in Angular 11 development best practices.
* Used Microservice architecture with Spring Boot based services interacting through a combination of REST and Apache Kafka message brokers and worked with Kafka Cluster using Zookeeper and Scala microservice.
* Worked with modules like MongoDB and mongoose for database persistence using Node.js to interact with MongoDB.
* Integrating real-time functionality using technologies like WebSocket’s or Server-Sent Events (SSE) within Angular 11 applications.

**Environment:** Java, J2EE, Angular 7/9, Kafka, Struts, HTML5, JDBC, Hibernate, Spring Boot 2.x, Spring MVC, Spring JPA, Spring Web, Spring REST, Spring Web Flow, Spring Web Flux, Spring Security, JBoss, Groovy, Log4j, WebLogic, Tomcat, JUnit, Mockito, Annotation, Mule ESB, jQuery, SOAP and RESTful Web Services, Apache CXF, Oracle, Eclipse, Tomcat, Agile, Python, Jenkins, Docker, Selenium, Cucumber, AWS, Maven/Gradle, RabbitMQ, Swagger, Splunk.

**PNC Bank, 100% Remote Oct 2018** - **Sep 2020**

**Role: Java Full Stack Developer**

**Responsibilities:**

* Developed both backend services and front-end UI for store applications.
* Developed web-services/micro-services using spring-boot for various endpoints.
* Designed the architecture of applications from scratch and make enhancement to existing ones.
* Developed Rest API’s, Kafka layers and set up databases for end-to-end functioning of the applications.
* Developed Ionic hybrid mobile application called pack and ship using Angular consuming various API to streamline the pack and shipping process.
* Developed reusable and interoperable Web service modules based on SOA architecture using RESTFUL.
* Set up CI/CD pipeline for deployments using Kubernetes and Drone.
* Provide technical oversight to others resolving high severity hardware, operational, infrastructure and application incidents. Plan APK releases and rollout plans to all the stores (~2000) across the US.
* Involved in the design, lifecycle management and total cost of ownership of platforms, applications, and infrastructure services.
* Worked as Developer within team and to the broader community to promote re-use and develop consistent technical build, implementation, and support processes. Build Grafana dashboards for Observability.
* Define acceptance criteria with the help of product owners/Business partners and add it in the stories/confluence page. Create or help create stories/sub tasks and assign those to individual developers.
* Created Integration test for additional regression testing for API services using docker images and Spock framework. Developed persistence Layer using Hibernate to persist the data and to manage the data.
* Involved in creating and Deployment of REST API and Microservices in Java using Spring Boot.
* Implemented a production ready, load balanced, highly available, fault tolerant, auto scaling Kubernetes infrastructure and microservice container orchestration.
* Used Express.JS to route different endpoints, made RESTful.
* Worked on the application UI using angular 5 and created APKs.
* Created a data pipeline through Kafka Connecting two different Applications.
* Created multiple databases and its schema and ER diagrams along with setting up indexes, scripts for purging old data, etc.
* Worked in using bug/issue tracking, project Tracking and Management tool such as Service now, Jira, Confluence, etc.
* Worked with different application security features such as authentication, authorization, encryption, logging, and application security testing and containing modern distributed mechanisms like OAuth2, JWT.

**Environment:** Java8, Java11, J2EE, Gradle, JDBC, XML, HTML, CSS, Angular, Karma, Restful, Typescript, Webservices, SOA, Microservices, Docker, Kubernetes, Postgres, SQL server, Apache Kafka, Spock framework, OAuth, API gateway, Postman/Insomnia, Shell scripting, NodeJS scripts, ServiceNow, Jira, throwback.

**Lowes Corporate, Charlotte, NC Oct 2016** - **Sep 2018**

**Role: Java Full Stack Developer**

**Responsibilities:**

* Involved in Agile - Sprint methodologies to do requirements gathering, analysis and planning. Involved in gathering requirements from existing functionality for the custodians.
* Involved in building highly interactive portable widgets using HTML5, CSS3, and the latest AJAX libraries.
* Used the functionalities for writing code in HTML5/HTML, CSS3/CSS, JavaScript, JQUERY, Ajax, JSON, and Bootstrap with MySQL database as the backend.
* Developed web application using MongoDB, Express, React/Redux, Node.js, Graph QL.
* Created Graph QL schema and queries to interact with MongoDB database.
* Involved in design and development of GraphQL and services to interact with data storage layer.
* Responsible for developing a front-end application using React.JS and Redux architecture for internal team’s productivity use. Used React-Router to turn application into Single Page Application.
* Implemented react.JS code to handle cross browser compatibility issues in Mozella, IE, Safari, and FF.
* Implemented application testability and diagnostics and fixing bugs with the help of REDUX architecture.
* Utilized create-react-app to launch product to stay updated with current Webpack and Babel build configurations.
* Worked in using React.JS components, Forms, React Native components Events, Keys, Router, Animations and Flux concept. Interacted with GraphQL server by writing mutations and queries.
* Extensively used Java 1.8 features such as lambda expressions, Parallel operations on collections, multithreading, and effective sorting mechanisms.
* Used Streams and Lambda expressions available as part of Java 1.8 to store and process the data.
* Written Ajax driven JSON consuming JavaScript functions to save User selections such as radio button, drop-down menu selections into a cookie.
* Designed and implemented CAMUNDA workflows to automate confidential communication process for resource maintenance in cloud environment. Used CAMUNDA modeler for workflow creation.
* Created complex CAMUNDA workflows to trigger REST APIs and validate responses in automation process.
* Involved in implementing various screens for the front end using React.js and used various predefined components from NPM (Node Package Manager) and redux library.
* Involved in working with Babel and Webpack in application build and deployment processes.
* Microservices have been built using spring boot, spring cloud and deploying to AWS Cloud.
* Implemented Microservices based Cloud Architecture on Pivotal Cloud Foundry (PCF). Developed end to end application on Spring Boot framework (Rest API Application/Spring JPA using Crud repository).
* Used Apache Kafka as a Messaging Service for producing and consuming data between applications.
* Used Spring Data Framework to use the features of Spring JDBC and Spring ORM classes like JDBC Template and Hibernate Template to perform the database operations by connecting to Data sources available.
* Developed REST services to talk with adapter classes and exposed them too front-end. Worked on Restful web services which enforced a stateless client server and support JSON. Involved in detailed analysis based on the requirement documents. Worked on APIs endpoint verification using Postman and swagger UI.
* Involved in implementing Queries to the backend MongoDB (NoSQL) database using Http service to fetch JSON contract. Used NoSQL (MongoDB) and stored procedures as part of database interaction.
* Used Web Services using SOAP, RESTful API's for implementing Service oriented architecture.
* Performed CRUD operations using Spring data Mongo-DB repositories and Mongo-template.
* Deployed Spring Boot based microservices Docker and Amazon EC2 container using AWS admin console.
* Monitored and maintained the logs of PCF Spring Batch application from PCF Apps manager.
* Used RESTful Web Services exclusively for returning connection objects in JSON from host machine.
* Integrated AWS Dynamo DB using AWS Lambda to store the values of the items and backup the Dynamo DB streams. Created complex CAMUNDA workflows with error handling with a user tasks.
* Implemented auto deployment scripts, instance creation and destroy scripts and CI/CD pipeline in AWS.
* Worked in setting up Linux Environment on AWS cloud infrastructure, migrated corporate Linux servers from physical servers to AWS virtual servers.
* Used Amazon Cloud Watch to monitor AWS services and Amazon Cloud Watch logs to monitor application.
* Involved in Unit Testing and Bug-Fixing and achieved the maximum code coverage using JUNIT test cases. .
* Migrated existing Actions and Processor classes from the legacy Struts code into Controllers in Spring MVC.
* Used Bitbucket Git to store and maintain source code and used Maven tool to build and WebSphere App Server to set up data sources and deploy the application.
* Used Jasmine and Karma as end-to-end testing tools for debugging.
* Extensively used Git for version controlling and regularly pushed the code to GitHub.

**Environment:** JAVA 1.8, Spring Boot, Microservices, AWS, Kafka, HTML5, JavaScript, CSS3, React.js, React Native, Redux, Flux, Node.js, GraphQL, NPM, AJAX, JSON, SQL, RESTful, PCF, Swagger, Spring MVC, IOC, Oracle, MongoDB (NoSQL), Bootstrap, JUNIT, Mockito, MAVEN, IntelliJ IDEA, Git, Jenkins, Docker, Agile.

**Melstar Information Technologies, Bangalore, India Jan 2015** - **Jun 2016**

**Role: Sr. Java Developer**

**Responsibilities:**

* Developed a Micro Service Oriented application with React JS and Spring Boot Services. Developed various single page applications (SPA) using REACT JS and used various components in the REDUX library.
* Created proof-of- concept using responsive web design, React JS, developed drag and drop document editing using React.JS.
* Maintained the project in one store with help of Redux and worked with Redux architecture.
* Configured React-Redux for state management and React-Router for programmatic navigation.
* Implemented Store-Redux for holding the whole state tree of application and Reducer-Redux for describing actions. Responsible for Requirement gathering, coding, testing and documentation.
* Extensively worked on Drools Rules Engine and Expectation Engine for writing Business Rules Validation.
* Designed and developed the messaging framework for communication between workflow manager and other Enterprise Applications over Java class and MQ-Series using JMS.
* Implemented a robust RESTful (Apache CXF) web service and automated documentation to the web services in the application is provided by Swagger by configuring hapi-swaggered and hapi-swaggered-Ui.
* Configured Express.JS node http framework to set up middle-wares to respond to HTTP requests and used its front-end tooling like web packs, starter packs and boiler plates efficiently.
* At a later point, migrated from Express JS to Hapi JS which is configured on top of Node JS to attain better performance, to use built in authentication and authorization techniques.
* Good amount of hands-on experience in developing server-side JavaScript frameworks using Node JS (Hapi JS, Express JS) to build event driven, non-blocking i/o model web applications.
* Used Equella to put descriptive data in a digital repository and customized it to a video delivery system.
* Worked in integrating JMS with SPRING BOOT by providing an instance which is embedded with Active MQ.
* Junit is implemented along with Mockito to perform unit testing on our RESTful web application.
* Implemented JWT (JSON Web Tokens) for creating tokens to assert claims in the application and thus providing authentication of RESTful services.
* Implemented Node JS as a server-side proxy for an Implemented Oauth 2.0 for providing authentication and authorization for web services event-driven, non-blocking I/O model to make the application lightweight and efficient. Worked with the development team to create appropriate cloud solutions for client needs.
* Responsible for developing Use case diagrams, Class diagrams, Sequence diagrams and process flow diagrams for the modules using UML and Rational Rose.
* Involved in Preparation of the technical design documents and involved in identifying and implementation of different J2EE design patterns like Singleton and DAO etc.
* Wrote Unit Test case using JUnit, Mockito and Power Mock.
* Worked on MongoDB database concepts such as locking, indexes, sharing, replication, schema design.
* Created multiple databases with shared collections and chose shared keys based on the requirements.

**Environment:** Java, J2EE, Java beans, Servlets, JMS, JSP, Drools, Angular 1.2.0, GWT, Hibernate, EJB, JPA, Spring, Spring Security, Java Script, JDBC, UNIX, LINUX, Mockito, Apache tomcat, Spock, Karma, Jasmine.

**3i Infotech Ltd, Bangalore, India Oct 2012** - **Dec 2014**

**Role: Java Developer**

**Responsibilities:**

* Worked on Agile Scrum methodology and involved in daily stand-up meetings to monitor the progress.
* Interacted with Managers & Business users for performance issues, discussed about key Aspects based on requirements and its relational mapping to the application with users.
* Developed Application using Spring MVC with Spring IOC, annotations with views based on JSP.
* Involved in coding for the presentation layer using jQuery Mobile, NodeJS, JavaScript.
* Used core java concepts such as Multi-Threading, Collections, and Exception handling.
* Worked on Core Java, low latency side using Java Concurrency on the back end of the application.
* Configuring and managing AWS Simple Notification Service (SNS) and Simple Queue Service (SQS).
* Leveraging kops implemented a Kubernetes Container Orchestration solution within AWS allowing for easy management, creation, and recovery of AWS assets.
* Setup full CI/CD pipelines so that each commit a developer makes will go through standard process of software lifecycle and gets tested well enough before it can make it to the production.
* Extensive experience working on Spring IOC/ Dependency Injection and all Spring modules ,Hibernate.
* Migrated data from Data centers and on-premises to Cloud using AWS Import/Export Snowball service.
* Designed AWS Cloud Formation templates to create custom sized VPC, Subnets, NAT to ensure successful deployment of Web applications and database templates.
* Involved in coding for the presentation layer using jQuery, jQuery Mobile, NodeJS, JavaScript.
* Developed the application using industry standard design patterns like Singleton, Business Delegate, MVC, and Factory Pattern etc. Involved in developing Single page applications using Node JS, WEBPACK.
* Developed a dashboard based on Ajax calls with Business Customers Count, Flags, Real-time graphs for Analytical Reporting using NodeJS. Involved in presentation layer frameworks using jQuery widgets.
* Built Single Page Apps using Angular and Typescript for Responsive Design.
* Developed Single Page applications using AngularJS using components, directives using TypeScript.
* Created Typescript reusable components and services to consume REST API's using Component based architecture provided by angular.
* Implemented application using design patterns such as Session Facade, Bean Factory and Singleton.
* Utilized MEAN stack, REST design pattern, MVC framework and Single Page Application framework based on Node JS. Transaction management is done by JTA API specification by implementing them.
* Utilized XML and XSLT for dynamic web-content and database connectivity.
* Implemented Map-reduce functionality in MongoDB to maintain customer order tracking.
* Involved in fixing bugs or defects in the application. Used JIRA for issue tracking.
* Developed J units using Mockito and Spring Junit Runner framework. Used version control repository SVN.

**Environment:** Core Java, Spring MVC 3, Spring integration, Spring JDBC, Struts 3, JMS, JIRA, NodeJS, jQuery, jQuery Mobile, Java script, HTML, CSS, Apache Tomcat 7.0, Restful, Eclipse, Oracle 11g, Maven, Drools, Mockito, Junit, SVN.