**Sahithi**

**Lead Full Stack Developer**

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**PROFESSIONAL SUMMARY:**

* Around 10 years of experience in Java/ J2EE Professional with proficiency in Analysis, Design, Development, Architecture, Coding, Testing, and implementation of Client/Server, Internet, and Legacy Applications.
* Expertise in Java Technology (J2SE and J2EE) with a strong foundation of object-oriented principles.
* Solid Experience in creating Kubernetes Clusters in AWS and deploying a Docker Image on top of Kubernetes Cluster.
* Used Microservice architecture, with Spring services interacting through a combination of REST and Apache Kafka message brokers.
* Involved in using ReactJS components, Forms, Events, Keys, Routers, Animations, and Flux concepts.
* Hands-on experience in creating Angular modules, controllers, directives, and filters to deploy the entire business logic.
* Hands-on experience in creating Angular factories for using angular services like $http and $resource to make RESTful API calls to the Java-based backend.
* Used React JS to create views to hook up models to the DOM and synchronize data with the server as a Single Page Application (SPA)
* Experience in developing web applications using technologies like HTML5, Angular 8/9, JavaScript, AJAX, CSS, DOJO, JSP Tag libraries, Tiles, and XML.
* Experienced in Full stack UI technologies using Grunt.js, Gulp Server, and Yeoman generator for Angular8/9.
* Experienced in Client-side validations using Ajax in Node.js, Angular 8/9 and Dashboards reports using Backbone. JS.
* Experience with Docker Containers, leveraging Linux Containers and AMIs to create Docker Images/containers and Kubernetes.
* Created the React JS components and triggered Angular code to render the React components using life cycle hooks.
* Used React JS to create views to hook up models to the DOM and synchronize data with the server as a Single Page Application (SPA) and React-Redux Thunk to make REST API calls.
* Worked and learned a great deal from Amazon Web Services (AWS) Cloud services like EC2, S3, EBS, RDS, VPC, and IAM.
* Explored Spark, Kafka, and Storm along with other open-source projects to create a real-time analytics framework.
* Deployed the Cassandra cluster in a cloud (amazon AWS) environment with scalable nodes as per the business requirements.
* Utilized Kubernetes and Docker for the runtime environment of the CI/CD system to build, test, and deploy.
* Used Node JS to run Web pack tasks and build properly the project.
* Expertise in microservices to communicate through HTTP protocol for implementing SOA approach.
* Demonstrated expertise in managing Kafka topic partitions and message routing strategies for data distribution.
* Implemented Kafka's fault tolerance mechanisms, including data replication and leader-follower replication, to ensure data durability.

Developed API for using AWS Lambda to manage the Serverless architecture and run the code in AWS.

* Strong skills in object-oriented design and development (OOAD) using Rational Unified Process and Unified Modelling Language.
* Designed and implemented a dynamic image rendering web service that is consumed by JSP, jQuery, JavaScript, and AJAX.
* Performed code updates and releases using Git and Jenkins Deploy tools to send out updates to various pieces of software.
* Expert in working in an agile environment, Test Driven Development, and Scrum.
* Experience in SOA and implementing Web Services using SOAP.
* Experience in working with MongoDB, Oracle, SQL Server, MySQL databases, and writing SQL and PL/SQL queries.
* Good understanding of NoSQL databases and hands-on work experience in writing applications on NoSQL databases like HBase, Cassandra, and MongoDB.
* Expertise in working with Collections API, Multithreading, and OOPs technologies.

**TECHNICAL SKILLS:**

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| **Technology** | **Tools** |
| Languages | Java, Java Script, JSP, UML, WSDL, HTML, CSS, jQuery, PL/SQL, Perl, Python, and Shell Scripting. |
| J2EE Technologies | Java, J2EE, JDBC, Hibernate, JSF, XML Parsers, JSP, Servlets, Portals, EJB, JMS, Java Swing, Struts, Spring Framework, Java Beans, Web Services. |
| Frameworks | Spring, Spring MVC, Spring Boot, Spring Batch, Spring JDBC, Spring  Security, Hibernate, Struts, EJB |
| ORM | Hibernate 3 and JPA 2 |
| Web/App Server | Apache Tomcat, JBoss, Web logic, WebSphere, Glassfish. |
| Design Patterns | Singleton, Factory, MVC |
| Web Technologies | JavaScript, HTML, XML, XSL, XSLT, SOAP, Angular JS, Angular 8/9, Node JS, ReactJS, JSON, Restful web services (API), JUnit. |
| Web Services | SOAP (Axis) and REST (CXF and Jersey) |
| Unit testing | JUnit, Mockito, and Jasmine for JavaScript |
| Databases | Oracle, SQL Server, My SQL, PL/SQL, PostgreSQL, NoSQL, Mongo DB. |
| Tools | Tortoise SVN, TOAD, SQL Developer, Sub Version, SOAP UI, GitHub,  Splunk, Jfrog, UDeploy, Fortify Scan, and Black duck Scan, Marketo |
| Cloud | AWS(ECS,EC2,EMR,ELB, Redshift,RDS,DynamoDB, Redis, S3, Lambda,  Glue, Clouformation, Cloudwatch, IAM ), Azure |
| Development / Productivity Tools | JIRA, Jenkins, Eclipse, SQL Developer, WinSCP, Core FTP, Puppet, Putty,  SonarQube, Kibana, Grafana |
| Domain | Retail, Capital Markets, Security |
| **Build Tools** | Maven, Jenkins, Docker, Apache Ant. |
| Source Control | SVN, CVS, GitHub, GitLab |

**PROFESSIONAL EXPERIENCE:**

**Amazon**

**Dallas, Onsite Oct 2022 to Present**

**Lead Full Stack Developer**

**Responsibilities: -**

* Involved in various phases of the Software Development Life Cycle (SDLC) of the application.
* Designed and developed the application using frameworkAngular8/9 with HTML5, CSS3, SASS, jQuery, AJAX, and Typescript.
* Experience with Responsive Web Design, Bootstrap framework.
* Implemented Angular8/9 Router to enable navigation from one view to another.
* Developed an application to assess JSON and XML from Restful web service from the consumer side using Angular 8/9.
* Experience with tools like Experience with Docker Images/containers and Kubernetes.
* Pushed the image to the Docker Trusted Registry (DTR) is the enterprise-grade image storage solution from Docker.
* Developed internal application using Angular 8/9 and Node.js connecting to MongoDB on the Backend.
* Developed various generic JavaScript and Angular functions to implement client-side validations.
* Used most of the new features of Java8 like lambda expressions for communicating between the business layer and database, stream API for Bulk Data Operations on Collections using both streams and parallel streams.
* Having good implementation experience with installation and configuration of Kubernetes, clustering them, and managing local deployments in Kubernetes.
* Built a real-time pipeline for streaming data using Kafka and Spark Streaming.
* Implemented generating the verification hash code using the crypto package on Node.JS and Added user validations and user permissions by using Node.js.
* Developed new libraries with Microservices architecture using Rest APIs, and Spring Boot.
* Transformed legacy application into a suite of cloud-hosted Microservices using Spring Boot and laid the groundwork for x10 traffic scale.
* Migrating applications to AWS and application deployment in the cloud (AWS) with CI/CD tools like Jenkins and Maven.
* Managed EC2 administration and utilized AWS CLI for data loading from S3, implementing daily scheduling tasks.
* Managed Amazon Web Services (AWS) like EC2, S3 bucket, ELB, Auto-Scaling and IAM through AWS Console and API Integration
* Developed Python-based Lambda functions for serverless computing, enabling scalable and costeffective execution of code on AWS.
* Integrated Python with AWS Step Functions to orchestrate complex workflows and coordinate microservices within the application architecture.
* Implemented modular approaches for the backend on AWS and implemented interfacing with Postgres SQL.
* Involved in design and development in the process of converting legacy applications into Microservices.
* Worked on Kubernetes, Configuring the Kubernetes pods and testing the pods.
* Used Continuous Delivery / Continuous Integration (CD/CI) tools Docker, and Jenkins to deploy this application to AWS.

Developed Microservices with Spring Eureka to retrieve API routes for the entire cluster. Using this strategy each spring service in a cluster can be load balanced and exposed through one API gateway.

* Apache Kafka And EMR services to send and explore message/clickstream objects to client queues and topics.
* Integrated Python with AWS S3 for object storage and processing, enabling efficient handling of large volumes of marketing data within the application ecosystem.
* Utilized Python for data processing and analysis tasks on AWS, leveraging services like AWS Glue for ETL (Extract, Transform, Load) jobs and Amazon Redshift for data warehousing.
* Leveraged Scala for interacting with Apache Kafka, developing robust message producers and consumers to handle message/clickstream objects efficiently.
* Integrated Scala applications with Amazon EMR services for large-scale data processing, utilizing Scala's concurrency features for parallel execution and resource optimization.
* Analyzed the Node.JS server structure in the legacy project, then mimicked the REST service by using Java JAX-WS API and did the corresponding configurations.
* Experience in Docker Engine and Docker Machine environment, to deploy micro services-oriented environments for scalable applications.
* Performed optimization of Elasticsearch search queries using Kibana and implemented cache to minimize load and latency.
* Implemented Python-based monitoring solutions using AWS CloudWatch and custom metrics, ensuring proactive identification and resolution of performance issues.
* Configured Redis cluster for high availability and scalability, ensuring uninterrupted caching services for mission-critical applications.
* Scaled elastic search clusters and ensured proper resource allocations to clusters by implementing monitoring tools and alarms.
* Involved in database design and data migration from the existing database as per the microservices requirement.
* Experience in Updating, Modifying queries in Oracle. Developed stored Procedures, Functions, Packages, and SQL Scripts using PL/SQL.

**Environment:** Java/J2EE, Python,Angular 6,7,8,9, HTML5, CSS3, Spring Boot, Spring Cloud, Spring AOP, Hibernate, REST, Spring Boot, HQL, SQL, Kafka, Oracle, JPA, JUnit, Mockito, Maven, Jenkins, JIRA, Tomcat, GitLab, GitHub, Agile, Scrum, Redux, JSX, HTML, CSS, JavaScript, AJAX, JSON, XML and jQuery, AWS, EC2.

**VMWare**

**Palo Alto, CA Jan 2021 - Oct 2022**

**Java Full Stack Developer**

**Responsibilities: -**

* Developed technical documentation in Confluence and used Confluence as a knowledge base.
* Used the JIRA ticketing tool for tracking the issues and bugs.
* Developed webbooks using API to integrate the applications with Bitbucket.
* Extensively used Core Java collections, Generics, Exception handling, and Design patterns for functionality, also worked on Java functional programming concepts and lambda expressions.
* Hands-on experience in working with Kubernetes for managing related, distributed cluster components.
* Designed Node.js application components through Express and NestJS frameworks.
* Used Bootstrap React.js and Node.js in effective web design.

Create a Java Lambda that watches an AWSS3 bucket, loads the data to Redshift, and sends a message using restful web services if the file has errors.

* Experience with container-based deployments using Docker, working with Docker images, Docker Hub, Docker registries, and Kubernetes.
* Worked in using React components, Forms, Events, Keys, Router, Animations, and Flux concepts.
* Developed CI/CD system with Jenkins on Kubernetes environment, Utilized Kubernetes, and Docker for the runtime environment for the CI/CD system to build, Test and Deploy.
* Using Kafka for Publish/Subscribe pattern in applications dealing with messaging.
* Developed a dashboard based on Ajax calls with Business Customers Count, Flags, and Real-time graphs for Analytical Reporting using Node.js.
* Involved in writing JSPs, JavaScript, and Servlets to generate dynamic web pages and web content.
* Experienced in Docker engine and Docker Machine environments, to deploy micro servicesoriented environments for scalable applications. Excellent understanding of the OpenShift platform in managing Docker and Kubernetes.
* Developed responsive user interfaces using React for dynamic web applications.
* Implemented state management with React hooks for efficient data handling.
* Integrated third-party libraries and APIs seamlessly into React projects.
* Used Jenkins and pipelines to drive all microservices builds out to the Docker registry and then deployed to Kubernetes, Created Pods, and managed using Kubernetes.
* Used React JS for templating for faster compilation and developing reusable components.
* Developed readable and writable streams of Node JS to process the data from external means of the application.
* Experience in setting up the life cycle policies to back the data from AWS S3 to AWS Glacier, Worked with various AWS, EC2, and S3 CLI tools.
* Used React JS to implement rich functions in various pages, form validation, crud, grid list, search, sort, multi-selection, authentication, and unit tests.
* Implemented Spring MVC framework for developing J2EE-based web applications.
* Spring was used for its MVC features, dependency injection, and plug-ability with Hibernate.
* Changing the AWS infrastructure Elastic Beanstalk to Docker with Kubernetes.
* Implemented the application using the concrete principles laid down by several Java/J2EE Design patterns like MVC, Singleton
* Working on Web applications using Spring, Hibernate, apart from other standard J2EE technologies.
* Excellent in deploying the applications in AWS as EC2 instances and creating snapshots for the data that had to be stored in AWS S3.
* Used Hibernate to develop a DAO layer for performing CRUD operations on the database and configured it with Spring’s Hibernate DAO Support.
* Created Hibernate mapping files for mapping POJO to the database tables. Wrote named queries for querying the underlying database.

**Environment:** Java, J2EE, React, Typescript, NGRX, Spring, Hibernate, Kafka, Oracle, SQL, HTML, CSS,

JavaScript, React Js, Redux, JUnit, Jenkins, Agile, Web services, RAD, Tortoise SVN, IBM Web Sphere, Soap, Insomnia, Oracle SQL

**Nike**

**Bengaluru, India JUN 2014– NOV 2019**

**Software Engineer**

**Responsibilities: -**

* Designed and developed various modules of the application with J2EE design architecture, and frameworks like Spring MVC architecture, and AngularJS.

Designed and developed Microservices business components using Spring Boot.

* Developed reusable components and Services using AngularJS.
* Used Node JS to run Web pack tasks and build properly the project.
* Implemented modular approaches for the backend on AWS Elastic Beanstalk and interfaced with MySQL/Aurora DB on AWS’s RDS, allowing for scalability.
* Experience with Docker Containers, leveraging Linux Containers and AMIs to create Docker Images/containers and Kubernetes.
* Used Kubernetes to deploy scale, load balance, and manage Docker containers with multiple namespace versions.
* Wrote Kafka producers to stream the data from external rest APIs to Kafka topics.
* Developed cross-browser/platform HTML5, CSS 3, and JavaScript to match design specs for complex page layouts while adhering to code standards.
* Developed Python scripts for data processing and automation tasks, leveraging libraries such as pandas and NumPy for efficient data manipulation.
* Implemented Python-based microservices alongside Java services, utilizing frameworks like Flask or FastAPI for rapid development and deployment.
* Utilized Python for web scraping and data extraction from external sources, enhancing data-driven decision-making within the application.
* Collaborated with cross-functional teams to integrate Python-based solutions into the existing architecture, driving innovation and efficiency across the development lifecycle.
* Documented every Defect that was worked on and saved in the Knowledge Center.
* Collaborated with marketing and design teams to translate business requirements into technical solutions, driving increased conversion rates and revenue growth.
* Maintained and optimized Marketo integrations, ensuring scalability, performance, and compliance with data privacy regulations.
* Experience working with Docker containers, Amazon EC2, S3 and ELBs in an AWS Environment.
* Developed Node.JS readable and Writable streams to process the data from the external source of the application.
* Experienced in Docker engine and Docker Machine environments, to deploy microservices-oriented environments for scalable applications. Excellent understanding of the Open Shift platform in managing Docker and Kubernetes.
* Configuration file and Node JS used at the back end to interact with MongoDB using Mongoose connector.
* Designed and developed asynchronous RESTful Microservices using Spring boot, Couch base, and RX Java that are consumed by other Microservices with an average response time of 30 milliseconds.
* Use Amazon Cloud Watch to monitor AWS services & Amazon Cloud Watch logs to monitor the application.
* Used Docker for creating Docker images for launching containers on AWSEC2.
* Worked on Kubernetes to orchestrate docker containers across tested, stage environments. Migrating SOA applications to highly scalable Cloud Native Container based with Confidential EKS (Kubernetes on AWS).
* Developed RESTful Web services client to consume JSON messages using Spring Boot configuration.
* Used validators, converters, jQuery, and JavaScript inbuilt functions in the application for validation.
* Implemented DAO for data access using Spring MVC, Spring Boot, and Hibernate.
* Implemented REST Microservices using spring boot. Generated Metrics with method-level granularity and Persistence using Spring AOP and Spring Actuator.
* Developed database persistence layer components for mapping an object-oriented domain model to the relational database using ORM frameworks such as Spring JDBC Support, Hibernate, and JPA.

**Environment:** Python ,Java 1.8, J2EE, Spring IOC, Spring MVC, Spring Boot, Spring JPA, SOAP Services and Restful Web Services using microservices architecture, , NodeJS, AJAX, Spring JDBC, Swagger, HTML, CSS, jQuery, JavaScript, JSP, Servlets, XML, Hibernate, Jenkins, Apache Tomcat Server, WebSphere, AngularJS, JSON, Oracle DB, JBoss.