**SRAVANI**

**Sr. Java Full Stack Developer**

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***PROFESSIONAL SUMMARY:***

* IT professional with 10+ years of experience as Java Full stack developer with expertise in Design, Development, Analysis and Testing and implementation of distributed Web Based Applications and Client/server applications using Java/J2EE Technologies
* Have a good understanding of **Agile, Waterfall, Scrum and TDD methodologies to meet the deliverables successfully.**
* Proficient with Amazon Web Services (AWS) Cloud platform with its features including EC2, SNS, EBS, S3, Lambda, EKS, CloudWatch, Cloud Trail and IAM Security Groups that are utilized for different environments like dev, testing, Production.
* Worked extensively with **Core Java, Multithreading, Transactions, Exception Handling and Collections**
* Implemented new **Java 11 capabilities including Lambdas, Streams, Observables**, and Completable Futures, among others.
* Extensively involved in upgrading the existing system from Angular 9 to Angular 12.
* Build large-scale web applications and web-first websites using JavaScript, React JS, and AngularJS.
* DevOps Engineering experience on **creating AWS resources using terraform code and pipeline creation using CI/CD on GitLab, bitbucket and Jenkins.**
* Data Engineering experience on development ETL orchestration and data processing pipelines, workflows or services using EMR, EC2, **AWS Glue, AWS Open/Elastic Search, Step Functions, Lambda, S3, CloudWatch Event bridge, Python/PySpark, Snowflake.**
* Diagnosed and resolved **Kafka-related issues, such as data loss, lag, and performance bottlenecks.**
* Very good implementation knowledge in SOAP (JAX-WS) and RESTful (JAX-RS) web services and hands-on experience in developing web service applications using SOAP, WSDL and JAXB/JAXP
* Experienced in IDE tools like IBM Rational Application Developer (RAD), Eclipse, and IntelliJ, VS Code.
* As a part of cloud technologies, I **worked on various clouds like AWS, GCP and Microsoft Azure.**
* **Strong Expertise in Core Java, data structures, algorithms**, Object Oriented Design (OOD) and Java concepts such as OOP Concepts, Collections Framework, Exception Handling, I/O System, Multi-Threading, Reflection, Generics, Interfaces, Synchronization, and other new features in Java 7 and Java 8.
* Developed GUI interfaces using HTML5, CSS3, JavaScript, jQuery, Typescript, AngularJS, Backbone JS, JSP and Servlets.
* Expertise in implementing web and enterprise applications using **Java 17, Spring Boot, Spring MVC and Spring Security, React, Node JS, Python, MySQL, Angular 11, Mongo DB.**
* Hands-on experience in relational databases like Oracle, MySQL, MS SQL Server, PostgreSQL using SQL, PL/SQL programming and NoSQL databases like MongoDB, Cassandra.
* Knowledge of software testing principles and practices, including unit testing, integration testing, and automated testing frameworks (JUnit, Mockito, SonarQube, Jasmine).
* Experience in Microservices architecture with **Spring Boot-based services interacting through a combination of REST and MQ and leveraging AWS to build, test and deploy Microservices.**
* Hands-on **experience Java 8** features **like Lambda, Streams, Optional, Java Time API, Functional interfaces, and BASE 64 encryption etc.**
* **Strong experience in developing Single Page Application (SPA), using MEAN (Mongo, Express, Angular and Node) stack.**
* **Proficient in leveraging Azure Databricks and Spark for distributed data processing and transformation tasks.**
* Proficient in understanding the core architecture of Apache Kafka, including topics, brokers, producers, consumers, and ZooKeeper.
* Proficient in data serialization formats (e.g., Avro, JSON, Protocol Buffers) for efficient message transmission within Kafka.
* Implemented multithreading and concurrency features **in Java 11+ to optimize performance and enhance responsiveness in a high-demand application.**
* Experience in using **various Amazon Web Services (AWS) Components like EC2 for virtual servers, S3.**
* Experience in configuring RabbitMQ clusters to ensure high availability, fault-tolerance, and scalability.
* Strong experience working with version control software like Bitbucket, GIT and build tools ANT, Maven, Gradle and Jenkins.
* Experience in Setting up the build and deployment automation for Terraform scripts using Jenkins.

***TECHNICAL SKILLS:***

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| --- | --- |
| Programming Languages | Java (1.5/1.6/1.7/1.8), C, SQL, Python. |
| Software Methodologies | Agile, Scrum, SDLC Waterfall. |
| Enterprise Java | J2EE, JDBC, Servlets, JSP, Java Beans, JSTL, JSF, Struts, EJB, Spring, JTA, JNDI. |
| Web Technologies | HTML, DHTML, XML, CSS, jQuery, JSON, JavaScript, TypeScript, AJAX, Bootstrap, JSON, Angular 12, Angular 6, React JS, Node JS, Express JS, Angular JS. |
| Frameworks  | Spring 4.3, Hibernate 4.3, Spring MVC, Spring IOC, Spring Boot, Spring AOP, Spring Web Flow, Spring Security, Spring Data, JSF, Hibernate, Spark |
| Databases | RDBMS, Oracle, PL/ SQL, SQL Server, My SQL, PostgreSQL, MongoDB, Cassandra. |
| Web Services | SOAP, RESTful, UDDI, WSDL, JAX-RPC, JAX-RS JAX-WS, JAX-B, Apache Axis2, MQ |
| Message Brokers | Apache Kafka, RabbitMQ, Apache ActiveMQ |
| Testing Tools/Others | Junit, Mockito, Log4J, Postman, Jasmine, Selenium,  |
| Build Tools/Version Control Tools | Maven 3.3.9, Ant 1.10, Gradle 3.4.1, Jenkins, GIT, SVN |
| Application/Web Servers | Web Logic Server 12c, Web Sphere Application Server 8.5, Apache Tomcat (8.5/8.0), JBoss. |
| IDE Tools | Spring Tool Suite, Eclipse3.0, IntelliJ, Net Beans5.0, My SQL Workbench, VS Code, Notepad++, Sublime Text |
| Operating Systems | Windows, Linux, Unix, Mac OS |
| DevOps Tools |  GitLab, GitHub, Bitbucket, Docker, Kubernetes, AWS, Azure, Google Cloud Platform, Splunk Cloud, ELK (Elasticsearch, Logstash and Kibana), Terraform, |

***EDUCATION***

* Bachelors in Computer Science Engineering from Jawaharlal Nehru Technological University Hyderabad, India. -2013

***PROFESSIONAL EXPEREICNE:***

**Client: Nike, Atlanta, GA June 2023 – Till Date**

**Role: Java Full Stack Developer**

**Responsibilities:**

* Actively pursued requirement gathering and pointing stories following sprint pattern to implement development work following the Agile methodology.
* Extensively worked on **Core Java concepts and expertise in collection framework.**
* **Utilized Java 11 features like Lambda expressions and Stream API for Bulk data operations** on Collections which would increase the performance of the Application
* Developed the application using spring framework that leverages model view layer architecture, also configured Dependency Injection, and implemented cloud native application using Spring Cloud.
* Created functions and assigned roles **in AWS Lambda to run python scripts, and AWS Lambda using java to perform event driven processing.**
* **Configured Spark streaming to get ongoing information from Kafka and store the stream information to HDFS.**
* Developing application using spring core module and POJO's using Eclipse and worked on Messaging service.
* Integrated front-end technologies such as HTML, CSS, JavaScript, Typescript, JavaScript, jQuery, and AJAX with the Spring MVC framework to create interactive and responsive user interfaces.
* Having solid understanding of **Java 8 features such as Lambda, Functional Interfaces, Streams - Parallel processing, Aggregations, Optional keyword, and Java time API.**
* Scripting and setup **of CI/CD pipeline to deploy and execute ETL utilities on AWS.**
* Designed and developed **RESTful style Web Service layer and WSLD.**
* Managed authentication and **authorization for Kafka clients.**
* Used Hibernate ORM tools which automate the mapping between **SQL databases and objects in Java.**
* Wrote SQL queries for **JDBC prepared statement and used callable statements to call stored procedures.**
* Using Angular 12, we created custom directives for reusable components (multi-field form elements, background file uploads, etc.). For transferring and retrieving data between different applications we used XML.
* Extensively used React-Router techniques Axios service to retrieve data from server synchronously.
* Designed and implemented a scalable web application using **Java 11+, leveraging features such as modules, lambda expressions, and the enhanced HTTP client.**
* Designed and implemented containerized applications using **AWS ECS, enabling seamless deployment, scaling, and management of Docker containers.**
* Utilized **Kafka Streams or Kafka Connect for real-time data processing and integration.**
* **Proficient in Core Java and implementing concepts like Multithreading, Concurrency, Exception Handling, File handling, IO, Generics, and Java collections in various projects.**
* Developed RESTful APIs using the **Java Servlet API and the JAX-RS specification, ensuring efficient communication and data exchange between client and server.**
* Implemented **Spark using Scala and Spark SQL for faster testing and processing of data**
* Developed RESTful web services **using Spring MVC, allowing clients to consume and interact with data via well-defined API endpoints.**
* Implemented unit test for testing Angular components with frameworks using **KARMA** and **JASMINE**
* Installed (GUI, Silent mode) configured and maintained IBM WebSphere Network Deployment Server.
* Deployed EARs, **WARs in the WebSphere Application Servers.**
* Implemented a generic interface to Hibernate criteria API for UI search functionality.
* Manage configuration of **Web App and Deploy to AWS cloud server through Chef.**
* Deployed the Java applications into web application servers like Apache Tomcat.
* Created Typescript reusable components and services to consume REST API's using Component based architecture provided by Angular 12.
* Installation, Configuration, Troubleshooting and Maintenance of BEA WebLogic server
* Moving existing monolithic architecture to **Micro services and migrating them to AWS cloud.**
* **All the functionality is implemented using Spring IO / Spring Boot, Microservices and Hibernate ORM.ec2**
* Developed PL/SQL triggers and master tables for automatic creation of primary keys.
* Involved in data loading using **PL/SQL and SQL\* Loader calling UNIX Scripts to download and manipulate files.**
* **Integrated Java 11+ applications with message brokers or event-driven architectures, utilizing** technologies such as Apache Kafka for asynchronous communication.
* Worked on Micro Services to provide **Restful API utilizing Spring Boot to process the messages into the Kafka cluster setup.**
* Performed SQL and PL/SQL tuning and application tuning using various tools like EXPLAIN PLAN, SQL\*TRACE, TKPROF and AUTOTRACE.
* **Extensively used Java 8 features such as lambda expressions,** parallel operations on collections, multi-threading and for effective sorting mechanisms.
* Developed Python web services for processing JSON and interfacing with data layer.
* Built S3 buckets and managed policies for S3 buckets and used S3 buckets and Glacier for storage and backup on AWS.
* Currently working on tool which aids in **Test Driven Development (TDD).**

**Environment**: **Java 17,Java 11, Java 8,Core Java, , Lambda, Spark, J2EE, JSP 2.0, PL/SQL,** Angular JS, Spring, EJB 2.0, Angular 12, JMS, JNDI, Oracle, XML, MVC, SDLC, Spring Data JPA, Messaging Queues, Apache Kafka, SOAP, Junit, Java 8, Apache Camel, Web Sphere, hibernate 3.0, Microservices, AWS, Elastic search, Terraform, JDBC, MS SQL Server 2012, JESS, RESTful Web service, SOA Design Patterns, Cassandra, LDAP, NOSQL

**Client: State of Michigan, Michigan Feb 2021 – May 2023**

**Role: Java Full Stack Developer**

**Responsibilities:**

* Used Spring Boot for the application development, Spring MVC and Dependency Injection for handling presentation and business logic.
* Developed and utilized Web Services, both RESTful and SOAP-based, for data exchange with external interfaces, employing Soap UI for testing purposes.
* Integrated RabbitMQ with various microservices to enable seamless communication and data synchronization between different parts of the application.
* Worked on the orchestration layer for communicating between the Microservices and persisting the data in the Cassandra database.
* Developed Application using **Java 8, Spring, Spring Boot and developed Micro Services using Spring Boot.**
* Worked on **Data Structures, multi-threading concepts in Core Java.**
* Performed deployment of **applications on AWS.**
* Good working experience on **Spark(Spark streaming, SparkSQL),Scala and Spark**
* Performed Junit test cases using Mockito for increasing the test coverage for Jenkins’s build pipeline.
* Created Docker images and ran the Docker containers in various environments.
* Implemented unit test for testing **Angular components with frameworks using KARMA and JASMINE.**
* Involved in development of Restful web services using, **MongoDB, Express React-Redux and Node JS.**
* **Utilized relational databases such as MySQL, PostgreSQL, and Oracle in conjunction with Hibernate.**
* Utilized Java 11 features for improved exception handling, including try-with-resources, enhanced stack traces, and standardized exception classes.
* Expertly utilized Message Queues, including RabbitMQ and IBM MQ, to design and implement robust real-time messaging systems for job queues, event-driven systems, and data streaming applications in Java.
* Implemented security best practices in software development, ensuring the integrity and security of Spring Data JPA-based applications.
* Implemented RabbitMQ as a message broker to facilitate communication between various microservices in a distributed system.
* Utilized **AWS Lambda with API Gateway to create serverless APIs, reducing** infrastructure management overhead and costs.
* Created Services to consume **REST API's and to communicate between components using Dependency Injection provided by Angular 8.**
* Used React-Routers for connecting the APIs, which enforces the communication to the server while also implementing mock services in Node.js with the help of modules using Express.js.
* Used React JS virtual DOM for client-side view rendering services, React-Redux for state management and React-Router for client-side routing for dynamically changing client-side content.
* Configured WebSphere resources like DBC providers, JDBC data sources, connection pooling.
* Designed and managed message queues in RabbitMQ for efficient data transfer and decoupling of system components.
* **Experience in java 11 features like Parallel Streams,** Lambdas, functional interfaces and filters.
* Contributed to the migration of monolithic applications to cloud-native solutions using Kubernetes, PCF, GCP, or Azure, optimizing resource utilization and application performance.
* Developed, maintained, and distributed release notes for each scheduled release. programs.
* Worked on Lambda Expressions, Functional Interfaces Stream API’s, Time API, and improvement on collection, concurrency, and IO improvements by using Java 8.
* Use of Docker and Kubernetes to manage micro services for development of continuous integration and continuous delivery.
* Developed various commands and helper classes **using core Java mainly following multi-threaded concepts and MVC design patterns for the application.**
* Configured message routing and exchanges in RabbitMQ to ensure messages are delivered to the right queues, following routing rules.
* Implemented **AWS Simple Queue Service (SQS) or Amazon Kinesis to build scalable and decoupled event-driven architectures.**
* **Used OpenShift to modernize its IT** infrastructure and streamline its application development and deployment processes.
* **Used Git with GitHub** for versioning control.

**Environment: Java 17, Java 11,Spring Boot, Core Java , AWS, Spark, JPos, JPA-Hibernate, Azure, Docker, Kubernetes, Micro services, JSON, XML, React, Maven, Tomcat Server 8, Cassandra, MongoDB, SOAP, MySQL, JavaScript, Junit, Git, GitHub, Spring Boot, Spring MVC, RESTful services**, Spring Security, JMS, java 8+, MVC, SDLC, Spring Data JPA, Messaging Queues, Rabbit MQ, Hibernate, Microservices, JSON, AWS, JSP, HTML, CSS, Bootstrap, Angular 9, Oracle, Junit, Mockito, JIRA, Git, Agile, Docker.

**Client: ABBIVE, Chicago, IL Jul 2020 – Jan 2021**

**Role: Java Full Stack Developer**

**Responsibilities:**

* Participated in requirements gathering and analysis to design coding, testing and deployment.
* **Core Java with Concurrent API is** used extensively for parallel processing and chunk processing.
* Developed Single Page Applications (SPA) using Angular 2, Typescript, HTML5, CSS3, and Bootstrap.
* Implemented Spring boot microservices to process the messages into the Kafka cluster setup.
* Utilized GCP services such as Google Compute Engine, Google Kubernetes Engine (GKE), and Big Query to design, deploy, and optimize cloud-based solutions.
* **Utilized Java 8 features like Lambda expressions and Stream API for Bulk data** operations on Collections which would increase the performance of the Application.
* Successfully deployed and managed Kafka clusters, ensuring high availability, fault tolerance, and scalability.
* Drools rules engine is used to validate input data and enrich data format required by external system.
* Spring Batch Item Reader, Item Processor, Item Writer used to process files.
* Enabled accurate data manipulation and SQL data updates using service classes and implemented client-side input validation and back-end business logic.
* Responsible for working on consuming and producing SOA/Web Services.
* Designed and Developed web services using JAX-WS, SOAP, JAXB, Apache CXF. Exposing and consuming the web services to the downstream applications using **Apache CXF and Apache camel.**
* Built data pipelines and performed data transformations using **GCP tools like Cloud Dataflow, Data prep, and Data Studio, enabling data-driven decision-making.**
* Designed and developed the Presentation layer using Angular 4 and written logics using Typescript.
* Developed Kafka producers and consumers to publish and consume messages efficiently.
* Developed REST exception handling controller advice to respond to bad requests and server-side exceptions.
* Created RESTful APIs in Express and returned logic through AngularJS data binding.
* Used MongoDB to import the data into and feed into web services and displayed it onto the browser.
* Implemented security best practices by configuring IAM policies, access controls, and encryption to protect GCP resources.
* Implemented security measures, **including SSL/TLS encryption and ACLs, to secure Kafka clusters and data.**
* Migrated an on-premises application to GCP, leveraging Compute Engine and Cloud Storage, leading to a reduction in operational costs.
* Involved in design and development of front end/back-end API using Java, TypeScript, JavaScript, JSP.
* Creation of High-Level Design Document and Technical Architecture Document.
* Conducted performance tuning and optimization of Kafka clusters and applications for low latency and high throughput.
* Implemented monitoring and logging solutions using GCP services such as Stack driver Monitoring and Logging.
* Worked and Planned Delivery Strategy and Rollout Strategy with UAT and Prod Teams

**Environment**: Java8, STS, Spring Boot, Spring Integration, Spring Batch, Spring Rest, Spring AOP, Apache Kafka, Web Services, Eclipse, Maven, Jenkins, Restful, Angular 2, GCP, JIRA, Oracle, JUnit, SVN, Linux **SSL/TLS.**

**Client: Mattel, El Segundo, CA Apr 2019 – Jun 2020**

**Role: Java Full Stack Developer**

**Responsibilities**

* Designed and developed the application using Agile methodology and followed TDD, Scrum, and pair programming.
* Designed dynamic and browser-compatible pages using jQuery, JavaScript, and Angular JS.
* Implemented J2EE design patterns such as Session Facade, Factory, DAO, and DTO.
* Designed, developed, and maintained Tableau self-service reports and dashboards with different drill-down capabilities that were inclined to identify out-of-pattern behavior.
* Utilized Angular.JS UI-bootstrap components like time picker, directives, model pop-ups, ng-grid, router, progress bar, ng-Idle, and ng-Upload.
* Experience working with GitHub and JIRA for version management and bug tracking.
* Responsible for maintaining and expanding AWS (Cloud Services) infrastructure using AWS Stack especially worked with database setup and maintenance on AWS EC2.
* Conducted regular performance tuning and optimization, analyzing SQL queries, and implementing appropriate indexing and partitioning strategies.
* Developed data components for Plan Setup through Java, HQL, and Hibernate, while also configuring and integrating Spring and Hibernate frameworks.
* Responsible for writing utility classes, UI development using JSP, CSS3, HTML, JavaScript, Angular.
* Involved in writing REST Web services in Groovy/Grails wrapped by Jersey JAX-RS.
* Developed using JPA (Java Persistence API) frameworks and APIs such as JDO (Java Data Objects) and hibernate.
* Implemented Spring Bean Factory to create proxied object using AOP framework.
* Responsible for configuring and deploying the builds on Tomcat Web Server.
* Wrote build & deployment scripts using ANT, Maven, shell scripts and JACL on UNIX env.

**Environment**: J2EE/J2SE, Java, JavaScript, Angular JS, Node.js, Spring Framework, Spring Batch, Hibernate, JDBC, JMS, Apache Axis 2.0, MongoDB, Tomcat Web server, LDAP, WSDL, SOA, SOAP, XML, HTML, Log 4j, RAD 7, Oracle, SunOS (UNIX), Sub Version, Maven and Windows 7, Cassandra.

**Client: Vertex Inc, King of Prussia, PA Dec 2017 – Mar 2019**

**Role: Java Developer**

**Responsibilities:**

* Involved in various phases of Software Development Life Cycle (SDLC) of the application like Requirement gathering, Design, Analysis and Code development.
* Involved in enhancing existing MEAN (MongoDB, Express, Angular and Node) stack applications and provided the required support.
* Worked on Rest Web services as well as Node Rest framework for backend services used Mongo DB (NoSQL) for database services and RESTful web services using Jersey for JAX-RS implementation.
* Performed GitHub/GitHub-Desktop bash and Terminal commands to clone, fetch, merge and push the code and created pull requests for changes that are made.
* Developed cross platform server-side applications using Node. Js, BackBone.js and Angular.js. to achieve scalability in Real-time web applications.
* Worked on nodes router to make cross-domain requests to API services like Spotify API, GitHub API, Mongo DB.
* Developed Docker images and containers for the application by configuring Docker files, using Docker Compose to manage images.
* Developed an application to perform CRUD operations using Java 8 on MySQL and Designed Web Application to connect to User Pool, create users and verify login using AWS Cognito for security.

**Environment**: Java, HTML, CSS, JavaScript, jQuery, AJAX, JSON, SDLC, MongoDB, Express, Angular, Node, AWS, S3, RESTful web services, GitHub, CICD, Jenkins, Kubernetes, Docker, Rest API, SVN, JIRA, JUnit, Mockito, Jasmine, Karma, Maven, Spring Boot, Hibernate, Spring MVC, Spring IOC, Agile

**Client: GAVS Technologies, India May 2013—April 2017**

**Role: Java Developer**

**Responsibilities:**

* Involved in Analysis, Design, Development, UAT and Production phases of the application.
* Designed and developed the application using agile methodology and followed Test Driven Development (TDD), Scrum.
* Developed all the UI pages for customer care applications using HTML5, CSS3, JavaScript, jQuery and Ajax.
* Extensively worked on both consumption & production of RESTful based Webservices using JAX-RS & jersey parsers.
* Developed applications using the latest Java/ J2EE technologies and worked with the latest features of Java 8 and Java 7.
* Used Hibernate 3.0 ORM framework for persistence to database by integrating it with Spring framework using Spring Hibernate template.
* Worked with clients to develop layout and color scheme for their website and implemented it into a final Interface design with the HTML/CSS and JavaScript.
* Used JMS to place the import run requests into JMS Queue.

**Environment**: Java 1.8, Spring 4.0, Maven 3, HTML5, CSS3, jQuery, XML, XPATH, Selenium, Test NG, WebLogic 12, Hibernate 4.2, PL/SQL, GitHub.