**Sowmya M**

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**Professional Summary:**

* Ambitious and highly motivated Java Developer with **8**+ years of experience offering extensive professional working experience in Linux, high-transaction, and Agile development environments..
* Skilled in implementing Service Oriented Architecture (SOA) using XML based Web Services (SOAP/WSDL), Rest and RESTful Web Services.
* Strong working knowledge of Database Programming, using and maintaining SQL, PL/SQL, Triggers and Stored Procedures.
* Excellent communication and interpersonal skills and an excellent team player with the ability to work independently.
* Worked on adding new field in the schema with GraphQL and fixing few bugs in the same area.
* Experienced in implementing POC using Spark Sql and Mlib libraries.
* Improving the performance and optimization of the existing algorithms in Hadoop using Spark Context, Spark-SQL, Data Frame, Pair RDD's, YARN.
* Experience in IT data analytics projects, Hands on experience in migrating on premise ETLs to **Google Cloud Platform (GCP)** using cloud native tools such as BIG query, Cloud Data Proc, Google Cloud Storage, Composer
* Specialized in provisioning the **GCP** Global HTTPS load balancer routes the traffic to **GCP** GKE cluster via Terraform modules
* Hands on experience in handling Hive tables using Spark SQL.
* Expertise in designing and developing Web Applications involving Servlet, JSP, EJB, XML, JDBC, Struts, Spring, Hibernate, etc.
* Expertise in developing Java/J2EE applications on IDE’s including Eclipse, Rational Application Developer (RAD) and IntelliJ.
* Extensive experience in developing and deploying applications on Web Logic Application Server, JBoss, Web Sphere, and Tomcat.
* Used Core HTML5, Vanilla JavaScript, CSS, Bootstrap, to build the entire web application.
* Strong working experience in coding using concepts like Multithreading, Collections, Serialization, Synchronization, Exception Handling and Database Connections.
* Extensively worked on Spark using Scala on cluster for computational (analytics), installed it on top of Hadoop performed advanced analytical application by making use of Spark with Hive and SQL/Oracle
* Specialized in provisioning EKS Kubernetes cluster on AWS, GKE Kubernetes cluster on **GCP** including masters, slave, RBAC, helm, kubectl, ingress controllers via Terraform foundation modules
* Used Spring Transaction Management extensively and Spring JDBC in persistence layer that is capable of handling high-volume transactions.
* Proficient in OOA Technologies developing Use Cases, Activity Diagrams, Sequence Diagrams, and Class Diagrams.
* Offers experience implementing Microservices Architecture, Spring Boot and Spring Microservices.
* Experience in using SCM/Version Control Management Tools like SVN, GIT, GitHub, and Rational ClearCase.
* Proficient in Amazon Web Services provisioning and profound knowledge of AWS services.

**Technical Skills :**

* **Languages J2EE Technologies:** Java JDK 1.6/1.7/1.8, UML, XML, XSL, XSLT, Servlets, JSP, JDBC, JPA, EJB
* **Application/Web Servers:** Apache Tomcat, IBM WebSphere, WebLogic, JBoss
* **IDEs:** Eclipse, Oracle Developer, RAD
* **Web Technologies:** HTML, CSS, Bootstrap
* **Frameworks:** Spring, Struts, Hibernate
* **Database:** Oracle, MySQL, SQL Server, DB2
* **Design Patterns:** DAO, MVC, Session Facade, Singleton
* **Operating Systems:** Linux, Unix, Windows
* **Configuration Management:** Git, Maven, Jenkins

**Professional Experience**

**Client : Conduent**

**April 2023 – Still Now  
Location : Dallas Texas**

**Role :Java Developer**

* Design, develop, and implement web-based Java applications to meet the expectations as per the business requirement.
* Create SOAP and REST web services
* Design and develop robust automation suites to improve the continuous integration, continuous delivery
* Create and maintain automation jobs using Jenkins
* Used services to read data from remote server using React.JS.
* Follow approved life cycle methodologies, create design documents, perform coding and testing, and ensure all processes are consistently followed as detailed in the planning documents.
* Consumed XML messages using Kafka and processed the xml file using Spark Streaming to capture UI updates .
* Developed Preprocessing job using Spark Data frames to flatten Json documents to flat file.
* Build data pipelines in airflow in **GCP** for ETL related jobs using different airflow operators.
* Take part in design, architecture, development, testing and deployment of applications and maintenance of the existing systems.
* Follow Agile programming methodology and take initiative in running the scrum calls.
* Migrate code through various environments, create code branches, resolve merge conflicts.
* Act as the point of contact for the offshore team for all project deliverables.
* Write unit test cases using JUnit and functional test cases, JMeter, Selenium or similar tools.
* Implemented the JavaScript/jQuery framework such as React JS for MVW/MVC framework.
* Experience in **GCP Dataproc,** GCS, Cloud functions, BigQuery
* Worked on adding new field in the schema with GraphQL and fixing few bugs in the same area.
* Worked with the Spark for improving performance and optimization of the existing algorithms in Hadoop using Spark Context, Spark-SQL, Spark MLlib, Data Frame, Pair RDD's, Spark YARN.
* Used Spark Streaming APIs to perform transformations and actions on the fly for building common learner data model which gets the data from Kafka in Near real time and persist it to Cassandra .
* Ensure resilience and stability through unit, regression and user acceptance testing, dev ops and production support.
* Review business requirements and discuss the design with application architects.
* Responsible for developing Java components using Spring, Spring Boot, and Spring Transaction Management.
* Involved designing in web pages using HTML5, CSS3, JavaScript, Bootstrap, LESS, React.js,Redux, Flex, Mongo DB.
* Use Maven for compilation and building WAR.
* Used AWS AppSync to develop GraphQL APIs by connecting to data sources like DynamoDB.
* Use logback for logging and tracing messages.
* Analyze to identify functional specifications and gaps in the business requirement.
* Formulate test plans outlining steps required to test the application using structured analysis and design.
* Experience in moving data between **GCP** and Azure using Azure Data Factory.
* Developed Spark Applications by using Scala, Java and Implemented Apache Spark data processing project to handle data from various RDBMS and Streaming sources.
* Collaborated with the backend team to design, define, and implement GraphQL types and

resolvers to provide the necessary data for frontend development while maintaining minimal calls to the database.

* Created custom filter in React.JS in the application.
* Create and implement Microservices or REST APIs using Spring Boot, REST, and JSON.
* Test SOAP web services using SOAP UI and REST services using POSTMAN tried POC with MongoDB.
* Use STS, eclipse for developing, debugging, integrating, and deploying the application.
* Involve in the day-to-day sprint development activities and delivered per sprint timeline.
* Coordinate with the onsite and offshore developers w.r.t ongoing issues.

**Environment:** Java, Agile (SCRUM), Boot, STS, Microservices, ReactJS, Spring, TFS, XML, Web Services (SOAP and REST), Spark, Maven, Junit, Maven, Log4J, GIT, GraphQL, SQL Server, Dynatrace, UNIX, OpenShift, Logback,GCP

**Client : State Street**

**May 2022 –March 2023  
 Location : Irvine,CA  
 Role : Java Developer**

* Used Value/Transfer Object and Singleton, Data Access Object, and Factory Design Pattern.
* Develops Batch process framework using executive service framework to cascade multiple changes on multiple records in only one transaction.
* Used Spring Transaction Management extensively.
* Reviews business requirements and discusses the design with application architects.
* Used Value/Transfer Object and Singleton, Data Access Object, and Factory Design Pattern.
* Responsible for creation of design artifacts using Enterprise Architect.
* Develops Batch process framework using executive service framework to cascade multiple changes on multiple records in only one transaction.
* Used Spring Transaction Management extensively.
* Experience in React JS and working with React Flux architecture.
* Works on AWS cloud services like EC2, S3, RDS, ELB, and EBS for installing, configuring and auto scaling.
* Used React JS for building composable and reactive user interfaces.
* Used jQuery in directly manipulating the DOM yet separating the ReactJS Components.
* Responsible for developing Java components using Spring, Spring JDBC, and Spring Transaction Management.
* Used cloud shell SDK in **GCP** to configure the services Data Proc, Storage, BigQuery
* Writes Java API for Amazon Lambda to manage some of the AWS services.
* Creates and implements Microservices or REST APIS using Spring Boot, REST, and JSON.
* Used Spark Streaming APIs to perform transformations and actions on the fly for building common learner data model which gets the data from Kafka in near real time and persist it to Cassandra.
* Used Kafka and Kafka brokers, initiated the spark context and processed live streaming information with RDD and Used Kafka to load data into HDFS and NoSQL databases.
* Used Spring JDBC in persistence layer that is capable of handling high volume transactions.
* Used Core HTML5, Vanilla JavaScript, CSS, Bootstrap, to build the entire web application
* Implements the service layer using Spring with transaction and logging interceptors.
* Used Spring framework for middle tier and Spring-JDBC templates for data access.
* Develops Web Services using both SOAP/WSDL and REST.
* Used multithreading to improve performance in generating reports in Java.
* Designs and develops SOAP Web Services Client program to consume existing SOAP web service using Axis framework.
* Aggregated logs from Stack Driver and monitored pod and node health by creating metric based dashboards on **GCP.**
* Experienced in converting Hive/SQL queries into Spark transformations using Spark RDD, Scala and Python.
* Tests SOAP web services using SOAP UI and REST services using POSTMAN.
* Creates and compiles XML Schema to generate Java Bean classes.
* Proficient in OOAD Technologies developing Use Cases, Activity diagrams, Sequence Diagrams and Class diagrams using case tools like Microsoft Visio and Rational Rose
* Develops DAO Layer by calling existing stored procedures.
* Used Maven for compilation and building JAR, WAR.
* Used Log4J for logging and tracing messages.
* Integrated Jenkins/Helm/Kubernetes/Vault with **GCP** to perform semi-automated and automated releases to lower and production environments
* Used STS for developing, debugging, integrating, and deploying the application.
* Involves in the day-to-day sprint development activities and delivered per sprint timeline.
* Writes unit test cases using JUnit and Integration test cases and integrated with Jenkins jobs.
* Coordinates with the onsite and offshore developers w.r.t ongoing issues.

**Environment:** Java, Agile (SCRUM), Boot, STS, Microservices, Spring JDBC, React, ReactJS, AWS, XML, SOAP (AXIS) Web Services, Spark, Enterprise Architect, Web Services (SOAP and REST), Maven, Junit, Maven, Log4J, GIT, Oracle, UNIX,GCP

**Client : Intelex Technologies,**

**Nov 2019 –April 2022   
Location : Denver, Co    
Role : Java Developer**

* Involved in various phases of Software Development Life Cycle (SDLC) of the application like requirement gathering, design, analysis, and de development.
* Followed Agile Methodology and interacted with various stakeholders in gathering requirements and business artifacts in the areas of gathering, design, coding, and documentation.
* Used Amazon Cloud Watch to monitor AWS services and Amazon Cloud Watch logs to monitor application.
* Used Jenkins for CI/CD Continuous Implementation and Continuous Delivery.
* Used Apache Maven to build and deploy the application. Monitored the error logs using Log4J and fixed the problems.
* Developed multi cloud strategies in better using **GCP** (for its PAAS) and Azure (for its SAAS).
* Performed thorough unit testing and resolved several data related issues before migration to production.
* Involved in Unit testing of application using JUnit and built the package using Maven and deployed the application on to WebLogic App Server.
* Involved in setting up WebLogic application server across Linux platforms as well as writing shell /Bash scripts on Linux.
* Designed and developed the UI layout and front-end programming for web application that

matches the wireframes using the latest HTML5, CSS3, React.js.

* Developed Java API to interact with the Amazon SQS used in sending bulk emails.
* Developed Microservice to provide Restful API utilizing Spring Boot with various data persistence frameworks such Hibernate, JPA, and messaging engines.
* Developed applications using Spring MVC, JSP, JSTL and AJAX on the presentation layer, the business layer was built using Spring and the persistent layer used Hibernate.
* Implemented business layer using Spring Core and configured Spring dependency injection, enabling all business components loosely coupled between layers.
* Developed web components using MVC pattern under Spring framework.
* Developed Web Services using XML messages that used SOAP.
* Build data pipelines in airflow in **GCP** for ETL related jobs using different airflow operators both old and newer operators
* Implemented and tested the enterprise application with jQuery and Spring MVC.
* Created and implemented Microservices using Spring Boot, REST, and JSON.
* Used Java Mailing or Messaging Service (JMS) API's for mailing detailed notifications depending upon the success and failure once the backend process was completed.
* Used Modules and Controller in the JS files as part of the constructors.
* Used NodeJS to sign up for lightweight web server to host application locally.
* Followed Agile/SCRUM software development methodologies.
* Extensively used Oracle SQL Developer graphical tool for the enhancement and simplification of Database development task.

**Environment:** J2EE, Spring, Hibernate, JSP, MVC, Spring Boot, AWS, JavaScript, React JS, Redux JS, Maven, AJAX, JDBC, JSTL, JMS, XML, SOAP, WebLogic, Agile, SQL and Windows/Linux,GCP

**Client : Sonata software**

**Sept 2017 – Oct 2019  
Location: Hyderabad,India**

**Role : Java Developer**

* Re-engineered the existing application written in Natural language (Software AG product) to Java/J2EE.
* Participated in functional document reviews and created technical specification documents.
* Actively designed, developed, and integrated the Metrics module with all other components.
* Developed Java components using Spring IOC, hibernate using Eclipse.
* Designed Java models consist of Java beans and database entity classes.
* Developed the application using Eclipse as the IDE and used its features for editing, debugging, compiling, formatting, build automation and version control (GIT).
* Wrote test cases in Junit for unit testing of classes and implemented the logging using Log4j.
* Implemented DAO pattern to access database and perform database CRUD operations in persistence layer.
* Development of functional modules using Java, J2EE, Spring-Hibernate.
* Develop high performance customer facing e-commerce application using ReactJS, Redux-saga, React Hooks, React-Router, JavaScript, HTML5, CSS3, SASS, Bootstrap4
* Used various Core Java concepts such as Exception Handling, Collection APIs and Executer Service Framework to implement various features and enhancements.
* Developed UML diagrams such as Sequence and Class diagrams for my application module.
* Deployed application JAR file on WebSphere application server.
* Identified and addressed transactional issues concurrency issues.

**Environment:** Java, Spring Framework, Hibernate, JAXB, J2EE, ReactJS, Eclipse, XML, Log4j, SOAP, Maven, WebSphere, Oracle, GIT, Windows/Linux

**Client : Fuzen software**

**June 2015 –Aug 2017  
 Location : Hyderabad,India  
 Role : Java Developer**

* Developed Core Java classes and methods for handling data from databases.
* Involved in creating and deployment of REST API in Java J2EE using Spring Boot.
* Developed user interface by using the React JS, Flux for SPA development.
* Involved in Java Multithreading to cascade multiple changes on multiple records in only one transaction and developed a batch process framework.
* Used Log4j for External Configuration Files and debugging.
* Assisted in designing various tables required for the project in Oracle 11g database and used the Stored Procedures in the application.
* Integrated Spring DAO for data access using Hibernate, used HQL and SQL for querying databases.
* Used Apache Camel for routing.
* Used Hibernate to store the persistence data into the Oracle database and wrote HQL to access the data from the database.
* Involved in coding, code reviews, Junit testing, prepared and executed unit test cases.

**Environment:** J2EE, JSP, Java, Spring, Servlets, JMS, Hibernate, MVC, DAO, Eclipse, AJAX, XML, Junit, EJB, jBoss, React JS, Redux JS, Flex, Multi-Threading, WebLogic, SOAP, GIT, SQL, Oracle, and Windows

**Education:**

*Master of Science in Computer Science*

**Cleveland State University,Ohio**

*Bachelor of Engineering in Computer Engineering*

**Jawaharlal Nehru Technological University,Hyderabad, India**