**Ramakrishna N.** 

**SR. JAVA DEVELOPER**

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**PROFESSIONAL SUMMARY:**

* **Over 10.5+ years of experience in developing applications using Java/J2EE technologies.**
* Involved in various stages of software development life cycle (SDLC) including analysis, design, and development of application in Java/J2EE.
* Expertise in core Java with strong understanding and working knowledge of object oriented concepts like collections, Multi-Threading, Concurrency framework.
* 8yrs experience in CI/CD pipeline using ant, maven, Git, SVN, Jenkins.
* 2yrs experience in Spring Reactive programming.
* Work experience on J2SE technologies like Core Java (Collections, Garbage, Exception, and threads handling).
* Worked on J2EE like JDBC, Servlets, JSP, JMS.
* 3+ years’ experience with SCRUM.
* Knowledge in Application Design and Development using OOA, OOD, OOP, MVC, SOA, and J2EE.
* Implemented SOA architecture with SOAP – (WSDL, UDDI) and Restful – (Resource URI, HTTP methods, HATEOAS, Swagger, Versioning, Validation) Web Services using Jersey framework.
* Extensively used Java 8 features such as lambda expressions, Functional Interfaces, Parallel operations on collections and for effective sorting mechanisms.
* Experience in using various Amazon Webservices (AWS) like **EC2** for virtual servers, **S3** and Glacier for storing objects, Elastic Beanstalk, Elastic Cache and Dynamo DB for Elastic load balancing, storing data.
* Utilized cloud watch to monitor resources such as **EC2**, CPU memory, Amazon RDS, DB services, Dynamo DB tables and EBS volumes.
* Involved in writing Java API for Amazon Lambda to manage some of the AWS services.
* **Build serves using AWS importing volumes, launching EC2, Creating Security groups, Auto-Scaling, load balancers, Route53, SNS** and **SQS** in the defined VPC.
* Experiencein development of spring modules like MVC, Auto wiring, AOP, Annotations, Spring JDBC, IOC, DI, Application context.
* Experience in developing Automation Framework using Cucumber BDD, Junit, and Selenium WebDriver.
* Experience in using Selenium Grid, Sauce Labs, and Docker for cross platform and cross browser testing by running the test scripts on various virtual machines.
* Good knowledge and understanding of RDBMS like MYSQL, Oracle.
* Used Spring Core Annotations for Dependency Injection Spring DI and Spring MVC for REST API.
* Experience in building Micro Services with the help of Spring Boot and developed Spring based applications with very less configuration.
* Experience in client design and validations using HTML5, CSS, JavaScript, AngularJS, React JS and JSP.
* Maintained and monitored Docker in a cloud based services during production.
* Experience in using the Web Services such as SOAP (JAX-WS) and REST (JAX-RS).
* Expertise in developing front - end systems with JavaScript, Bootstrap, HTML5, CSS3, Angular JS, and JSP
* Good team player with strong work ethics and a quick learner with positive attitude.
* Self-motivated, hardworking, flexible with an ability to learn quickly.
* Have a conceptual knowledge on Bigdata technologies like Hadoop, MapReduce, Hive and MongoDB.
* Implemented SonarQube code coverage.

**TECHNICAL SKILLS:**

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| --- | --- |
| **Cloud Technologies** | AWS- EC2, KMS, AMAZON SNS, Amazon SES, Code commit, Code Deploy Code, Pipeline, S3, IAM, Route53, Lambda, SNS, SQS, API-Gateway, Cloud Watch and DynamoDB, Docker. |
| **Programming Languages** | Java 8, java 11, J2EE |
| **Technologies/Framework** | Servlet, JSP, JDBC, Spring REST, Spring MVC, Spring Boot, Spring Boot with Micro Services, Spring Boot with Cloud, Spring Reactive Programming, spark, Hadoop. |
| **RDBMS/Databases** | Oracle-9i, MySQL, DB2, Postgres, and MongoDB, Cassandra,Spark. |
| **Junit Frame works** | TestNG, Mockito, JSF, |
| **Unit Test frameworks for UI Technologies** | Mocha, Chai, and **AWS-SDK-Mock,** Mockito |
| **Middleware** | REST API, XML, JSON |
| **ORM Technologies** | Hibernate, Spring Data JPA3 |
| **Methodology** | Agile Scrum, Kanban, Waterfall  |
| **Operating Systems** | Windows, Linux, Unix |
| **Version Control Tools** | Git, VSS, (RTC) Rational Team Concert, ClearCase, SVN, Atlassian Git, Bitbucket |
| **CI/CD Technologies** | Maven, Jenkins, Hudson, |
| **Development IDEs** | Spring Tool Suite, Eclipse, IntelliJ IDEA |
| **Other Tools** | log4j,sl4j |

EDUCATION QUALIFICATION:

* Bachelor of Technology from College of Engineering , JNTU Kakinada, AP, India -2011

**PROFESSIONAL EXPERIENCE:**

**Client: Verizon , Irving, Tx Nov 2022- Jun 2023**

**Role: Team lead**

**Responsibilities:**

* Data sources provide a way to encapsulate the logic for fetching data from these sources and exposing it as **GraphQl** resolvers.
* Define the schema using **GraphQl.**
* API Gateway creation for customer requests.
* Implemented in **MySQL** complex queries using joins, functions.
* Collaborating with other teams to resolve any deployment-related issues or conflicts using terraform.
* Documenting deployment processes and maintaining the infrastructure deployment scripts.
* Involved in Provide reliable and high-quality services, Provide customer support, Maintain data security and privacy using **Saas** platform.
* Involved in creating Apigee for API management platform that allows developers to design, build, secure, deploy, and scale APIs.
* Proficient with container systems like **DOCKER** and container orchestration like **EC2 container service, Kubernetes.**
* Managed **Docker orchestration and Docker containerization** using **Kubernetes.**
* Used **kubernetes** to orchestrate the deployment, scaling and management of Docker Container.
* Using Resolvers for functions that define how to fetch the data for a particular field in the schema.
* Responsible for maintaining the code quality, coding and implementation standards by code reviews.
* Designed and developed shared library for commonly used services in the application.
* Created RESTFULL APIs using **Spring Boot, Microservices**.
* Worked on daemon and user threads in order to accessing multiple tasks.
* Involved in handling the dead lock situations by using Thread Dumps.
* Used JavaScript technologies for front end user input validations and spring validation framework for backend validation for the User Interface.
* Sorted the customer object based on names and id using stream Api comparator.
* Converted to map from list object based on the name, case id using stream api.
* Implemented java 11 functionality like functional implementation predicates, lambda implementation.
* Used spring reactive programming for build asynchronous, non-blocking, and event-driven applications using **spring reactive programming.**
* To handle the large number of concurrent requests with low latency used **web Flux** **frame** work.
* fast data processing and low-latency communication between different components of the application configure in each services.
* Involved in write java programming to connect elastic search based on index.
* Configured service discovery in microservices.
* Involved search using **grafana** tool for to retrieve request and response object inbound and outbound.
* Involved Kubernetes configuration in yml file.
* It is middleware application for other application.

**Environment:** JAVA 11, **Spring boot**, RESTful Web Services, Hibernate, Jenkins, Kafka, AWS dynamo DB, **spring cloud**, Kibana, **Kubernetes**, **Cassandra DB, aws Lambda, aws S3, Spring Reactive,Terraform.**

**Company: Mphasis**

**Client: Synchrony, Hyderabad, India Aug-2021- Oct 2022**

**Role: Module lead**

**Responsibilities:**

* Involved in kafka consumer and producer part configuration.
* Involved in spring security using role and authentication.
* **responsible for implementing and maintaining automated CI/CD pipelines. This involves building, testing, and deploying software in a fast and automated manner.**
* API Gateway creation for customer requests.
* Involved in **CI/CD** pipeline creation for new microservices in develop ,UAT environment.
* Configured service discovery in microservices.
* **JMS** implementation using kafka.
* Managed **Docker orchestration and Docker containerization** using **Kubernetes.**
* Used **kubernetes** to orchestrate the deployment, scaling and management of Docker Container.
* Data sources provide a way to encapsulate the logic for fetching data from these sources and exposing it as **GraphQL** resolvers.
* Define the schema using **GraphQl**.
* Used spring reactive programming for build asynchronous, non-blocking, and event-driven applications using spring reactive programming.
* To handle the large number of concurrent requests with low latency used **web flux** frame work.
* fast data processing and low-latency communication between different components of the application configure in each services.
* Using Resolvers for functions that define how to fetch the data for a particular field in the schema.
* Involved in preauthorization implemented to Api based on the Admin role.
* Involved in Analysis, Design, Development, UAT and Production phases of the application.
* Designed application modules, base classes and utility classes using Core JAVA.
* Implemented the project as a multi-tier application using Spring MVC & used core Spring concepts like AOP, IOC.
* Expertise in Core JAVA with strong understanding and working knowledge of Object-Oriented Concepts like Collections, Multi-Threading, Concurrency framework.
* Writing web pages and templates using W3C web standards.
* Involved in developing and delivery of a Micro service application utilizing almost of the **AWS stack including S3, EC2, DynamoDB, SNS and SQS.**
* Assisted in development and maintenance of new API for integration.
* Developed scalable modular software packages for various APIs and applications.
* Prepared sample code and applications for displaying various outcomes of API applications.
* Used Page Object Model (POM) to create Automation Framework using Eclipse, Java, Selenium web driver, TestNG, Maven.
* Used Selenium Grid to perform cross browser testing and parallel execution of the tests.
* Supported customers on optimization and improvement of existing features of all API applications.
* Developed API for using **AWS Lambda** to manage the servers and run the code in the DB.
* Involved in developing functions for Amazon Lambda to manage some of the AWS services.
* Created and worked with various SQL and NoSQL databases such as **AWS RDS** **Aurora DB cluster,** MYSQL, DynamoDB and MongoDB.
* Worked with AWS and Database subnets group for isolation of resources within the **Amazon RDS Aurora DB** cluster and created notifications, alarms for **EC2 instances** using **cloud watch.**
* Integrated Spring with Hibernate as the data abstraction to interact with the databases.
* Implemented Singleton, Factory, SAGA, design Patterns based on the application requirements.
* Analyzed the Maven dependency management in base code to annotate the dependencies on to Spring Boot application into Gradle for **Micro Services.**
* Used GIT for version control and Jenkins used for continuous integration.
* Designed and developed JUnit test cases during the development phase.
* Implemented the project using agile-scrum methodologies.
* Search the request based on the **splunk** tool It indexes and correlates information in a container that makes it searchable, and makes it possible to generate alerts, reports and visualizations.
* Monitor and troubleshoot system issues and Track user behavior and activity Splunk search
* Using **Zookeeper** tool is used by Kafka brokers to determine which broker is the leader of a given partition and topic and perform leader elections
* Using **Zookeeper** tool stores configurations for topics and permissions.
* Using Redis Build responsive applications by storing frequently accessed data in **Redis** · Find and fix issues to improve system performance.
* collaborate with other developers, data scientists, and stakeholders to ensure that Spark applications meet business requirements and are delivered on time and within budget.
* Troubleshoot and debug issues that arise during development and deployment, such as errors in data processing, performance bottlenecks, or configuration issues using **spark**.
* Involved in Configured service discovery in **microservices.**
* Involved in spring cloud configuration spring cloud config server and hysterics command.
* Spark APIs and ecosystem: Familiarity with Spark's core APIs (RDD, DataFrame, and Dataset), as well as additional modules like Spark SQL, Spark Streaming, MLlib, and GraphX.
* Developing and maintaining Spark applications: You would write code to process large datasets using Spark's distributed computing capabilities.
* Performance optimization: Identifying and implementing optimizations to improve the performance and efficiency of Spark applications.

**Environment:** JAVA 1.8, Spring, RESTful Web Services, Hibernate, Jenkins, **Graph QL,**  JavaScript, **Apache Kafka,** **spring cloud**, **AWS S3,** **PCF schedule,** Udeploy, Cassandra DB, Kubernetes, **DataStax, Splunk, zookeeper, Spring Reactive, spark,Scala.**

**Company : Tech Mahindra**

**Client: ATT, Hyderabad, India April 2019 – Aug 2021**

**Role: Sr. JAVA Developer**

**Responsibilities:**

* Involved in design and developing phases of SDLC in Agile methodology.
* Developed the Front-End using HTML, JavaScript and CSS.
* Configured service discovery in microservices.
* Strong technical knowledge in Core Java, J2EE and JEE development. Extensive experience design and coding in J2EE (Servlets, JSP) Environment with Eclipse IDE.
* Involved in developing UI components using AngularJS, HTML, CSS framework.
* Developed the middle tier using EJBs, Java Servlets. Developed session, entity beans and message driven beans. .
* Wrote Ant Scripts to automate the build and deploy process.
* Developed the application with spring MVC, JSF, web flow framework and struts.
* Developed the User Interface Screens for presentation using JSP, AngularJS, HTML and Java Script.
* Design React native components and higher order components.
* Design UI views with flexbox and react native dimensions API.
* Work Exclusively with Core layer of Framework to Implement View Controller in MVC Architecture.
* Creating SOAP Web Services using WSDL to connect with external clients.
* Extensively worked with XML using DOM and SAX parsers for transferring the data between different components
* Developed the Junit test cases and used GIT as Distributed version control system. Used Log4j and commons-logging frameworks for logging the application flow.
* Developed dynamic EJS templates using HTML5, CSS3 and JavaScript.
* **Used in-built marketplace services of PCF for RabbitMQ Config.**
* Extensively used JDBC to access the database objects.

**Environment:** JAVA 1.8, React JS, GIT, SQL, Eclipse, Hibernate, Spring Data JPA, Spring security, tomcat, **PCF**, **spring cloud**, **AWS S3,PCF schedule**, Udeploy. **Cassandra DB**, **DataStax**.

**Company: Accenture**

**Client: Anthem, Hyderabad, India Mar 2017- Apr 2019**

**Role: Application development senior analyst**

**Responsibilities:**

* Involved in create Mongo DB connection through Spring boot.
* Used agile methodology to develop the application.
* Responsible for maintaining the code quality, coding and implementation standards by code reviews.
* Designed and developed shared library for commonly used services in the application.
* Developed the front end of the application using HTML, CSS, React JS and JavaScript.
* Created RESTFULL APIs using **Spring Boot, Microservices.**
* Worked on daemon and user threads in order to accessing multiple tasks.
* Involved in handling the dead lock situations by using Thread Dumps.
* Used JavaScript technologies for front end user input validations and spring validation framework for backend validation for the User Interface.
* Used both annotation based configuration and XML based.
* Implemented the design patterns like DAO, Factory, Singleton, Service Locator and Business Delegate.
* Implemented persistence mechanism using Hibernate (ORM Mapping). Responsible for mapping the database model into persistence objects using Hibernate Annotations.
* Developed the DAO layer for the application using Spring Hibernate Template support.
* Developed various business logic and reports using HQL and Hibernate Criteria.
* Performed the code build and deployment using Maven.
* Used log4j properties for logging.
* Involved in System and Integration Testing using Junit.
* Involved in Configured service discovery in **microservices.**
* Involved in spring cloud configuration spring cloud config server and hysterics command.
* Involved in load balancing and discovery client.

**Environment:** JAVA, JDBC, Restful, Multithreading, XML, SQL, Oracle, Maven, Spring, Hibernate, JUnit, log4j.

**Company : Accenture**

**Client: Carnival, Hyderabad, India Mar 2015-Feb 2017**

**Role: Application development senior analyst**

**Description:** CARNIVAL is the largest travel cruise in USA . carnival corporation has planed upgraded every ship with sensor activation in every ship. To provide best moment and memorable trip to their customers. They are providing with medallion, which will give access to doors open. And track the every moment of the customer and take photos provide the best photos corresponding customer.

**Responsibilities:**

* Involved in designing modules and documenting them as a Module Design Document (MDD).
* New component creation for CRUD operations
* Auto update ,new frame created based on prime face, Dialog box creation, form submit,.
* Redirect configuration in face-config.xml file, auto completed. Ajax update, binding java and ui component.
* Involved in Object Oriented Analysis (OOA) and Object Oriented Design (OOD) Techniques using Unified Modeling Language (UML)
* Persisted common application level data like domain libraries using Cache.
* Hibernate was used as admin tool persistence framework.
* Implemented interceptors using Hibernate and spring.
* Used Spring-Core and Spring-AOP, Spring Tags, and Validators in the development.
* Worked on development and operations to facilitate deployment of components over AWS using Jenkins, Fabric Tools.
* Create / modify RESTful web services, JSON for creation and consumption of data access and manipulation
* Create business objects and implement business logic using spring framework, Models and Controllers.
* Used ORM tools Hibernate for data mapping and generating database persistence layer.
* Developed test cases using JUnit testing framework.
* Used Eclipse as Java IDE tool for creating various J2EE artifacts like Servlets, JSP's and XML.
* Built and managed other projects modules using Apache Maven.
* Developed end-to-end composite RESTFUL Web Services by using SOA with CXF framework to use with different clients including Web & Mobile.
* Test driven development approach was used and hence worked intensively on developing test cases.
* Quality Control Activities such as defect tracking, fixing using JIRA.
* Created AWS RDS database instances consisting of AWS DynamoDB
* Involved in Configured service discovery in **microservices.**
* Involved in **spring cloud** configuration spring cloud config server and hysterics command and circuit breaker.
* Involved in load balancing and **discovery client**.

**Environment:** Unix-Solaris, JDK1.8,microservices, Spring, Hibernate, Restful web services, Multithreading, XML, Junit.

**Company : Layam Exim**

**Client: AlumUlla , Chennai, India.**   **August 2012- Mar 2015**

**Role: JAVA Developer**

**Description:** RTRA is the system which is used for Anti Money Laundering and to detect fraudulent transactions which are transferred across the globe. It internally has several engines which evaluates the transactions using several rules which are defined the countries or region from where it is initiated or to which region or country it is initiated.

**Responsibilities:**

* New component creation for CRUD operations
* Auto update ,new frame created based on prime face, Dialog box creation, form submit,.
* Redirect configuration in face-config.xml file, auto completed. Ajax update, binding java and ui component.
* Participated in Requirement Analysis, Coding, Integration Testing, and Bug fixing.
* Requirements elicitation and translation to technical specifications.
* Interact with clients to discuss the design, architectural and non-functional requirements like performance, scalability, reliability, availability, and maintainability.
* Design applications based on identified architecture and support implementation of design by resolving complex technical issues faced by the team during development, deployment and support.
* Involving in the ALM, Share point tickets creation.
* installing and configuring WebLogic server software on different platforms, setting up domain structures, configuring JDBC data sources, configuring SSL, and setting up security features.
* Configuring and maintaining security features such as user authentication, SSL, and secure communications using WebLogic.

**Environment:** Java, Spring, Hibernate, Tomcat, web services, GIT, Jenkins.