**Indira R**

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**Sr. Java developer**

**PROFESSIONAL SUMMARY:**

* Over **10+ years** of experience in all phases of Software Development Life Cycle which includes Design, Development, Integration, Business Analysis/Modeling, Documentation, Testing of software web application.
* Experience in **Agile development** environment including **Test Driven Development (TDD)** and **Scrum.**
* Worked on **Lambda Expressions, Functional Interfaces, Stream API’s** and improvements on **collection, concurrency** by using **Java 11/8.**
* I have expertise in core java concepts like **Exception Handling, Multi-threading, IO Streams, Event Handling, Collections, Concurrency, Synchronization**, etc.
* Expertise in advanced java concepts like **JSPs, JDBC, Servlets**.
* Expertise in **Spring** framework, used **Spring DI, Spring AOP, Spring JDBC templates, Spring MVC, Spring Boot.**
* Experience in developing web applications by implementing MVC architecture using JSP Servlets, **J2EE design patterns** and Spring framework.
* Experience in using **Spring ORM** module and integration with **Hibernate** ORM framework.
* Expertise in **Hibernate** framework which includes integrating legacy databases writing the CRUD statements.
* Experience in developing **Microservices** to communicate using synchronous protocols **HTTP** and **REST** by developing and consuming **Restful** webservices to implement **Service Oriented Architecture (SOA).**
* Experience in developing cloud computing **Microservices** using **Spring Boot, Spring cloud, Eureka Server.**
* Worked with **Apache Kafka** for high throughput for publishing and subscribing, with disk structures which tend to provide constant performance.
* Experience in handling messaging services and creating real time data streaming using **Apache Kafka.**
* Hands on experience with IDEs **Eclipse and Visual Studio, NetBeans, and IntelliJ IDEA**.
* Expertise with various **cloud & cloud platform** technologies **(Kubernetes, OpenShift, PCF, AWS, Azure, VMware, Netflix OSS)**, and **Java & Spring Boot** frameworks.
* Experience in deploying the applications in **AWS** as **EC2** instances and creating snapshots for the data that must be stored in **AWS S3.**
* Implemented **AWS** solutions using **EC2, S3, RDS, EBS, Elastic Load Balancer, Auto scaling.**
* Experience with event-driven and scheduled **AWS** Lambda functions to trigger AWS resources.
* Experience in **Docker** deploying applications. Used **Docker** for managing the application life cycle and monitored on Git.
* Experience in deploying Spring Boot based Microservices on **Docker Containers** using Amazon ECS.
* Experience in deploying applications on **Tomcat, WebLogic, and JBoss Servers**.
* Experience using **Maven** to build projects.
* Experience in using **Jenkins** for continuous integration (**CI/CD**).
* Used **CI** tool **Jenkins** to automate the compilation and implemented **Continuous Delivery** with **Docker** to run tests before generating a war file.
* work experience using **SOAP, REST Webservices** Service Oriented Architecture and implemented **RestfulAPI’s**.
* Experience in **RAD** (Rapid Application Development), **Microservices**, **Agile** Methodology.
* Experience in database modeling, design, and development of complex PL/SQL stored procedures, triggers, packages, and views in relational databases: **Oracle, SQL Server, PostgreSQL,**worked with **NoSQL databases**such as **MongoDB**.
* Have knowledge with version management tools **GitHub** and **SVN**.
* Excellent interpersonal abilities, communication skills, time management and Team skills with an intention to work hard to meet project deadlines. Have the motivation to take the independent responsibility capability to contribute andbe a productive team member.

##### **TECHNICAL SKILLS:**

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| **Programming Languages** | **Java 11/8, SQL, PL/SQL** |
| **Java Frameworks** | **Spring MVC, Struts 2.0/4.0, JSF** |
| **Application/Web Servers** | **WebLogic, IBM WebSphere, JBoss, Tomcat 8.0** |
| **ORM Frameworks** | **Hibernate, JSF, IBATIS** |
| **Spring Framework** | **Spring IOC, Spring Batch, Spring Boot, Spring Security, Spring Hystrix, Spring Heroku, Spring Zuul, Spring Data JPA, Spring Cloud, Spring Eureka, Spring Ribbon** |
| **AWS Skills** | **EC2, S3, RDS, EBS, IAM, Route53, DBA, Dynamo DB.** |
| **Database Server** | **Oracle 8i/9i/10g/11G, DB2, SQL Server 2005/2008, MySQL, PL/SQL, MongoDB** |
| **IDE** | **Eclipse, NetBeans, IntelliJ** |
| **Web Services** | **REST, SOAP, JAX-WS, JAX-RPC, JAX-RS, WSDL** |
| **Version Control** | **GIT, CVS, SVN** |
| **Build Tools** | **ANT, Maven, Gradle** |
| **Methodologies** | **Agile, Scrum, Waterfall, Rapid Application Development** |
| **Operating System** | **Windows, Linux, UNIX** |
| **Tools** | **Apache Camel, ESB, cucumber, Redhat BPM** |
| **Testing** | **Junit, Jasmine, Karma, Protractor, Selenium** |

**Client: MasterCard, St. Louis, MO Nov 2020 – Present**

**Role: Sr. Java Developer**

**Description:** Project scope was to use java technologies to develop pages for the business flow. Web components were integrated to support the business that contains credit checks, cash payments and reward modules.

**Responsibilities:**

* Involved in various phases of **Software Development Life Cycle (SDLC)** of the application like Requirement gathering, Design, Analysis and Code development.
* **Using Agile Methodology** for development of the application
* Working with **Java 11** features as Lambdas, Streams, Observables and Completable Futures
* Used **Java 11** streams operations like map, filter, flat Map, collect etc.
* Design and develop both the publishing and consuming sides of the integrations using web methods 6.1.
* Work with web methods services desk on identity, troubleshoot, apply fixes and patches IS, Broker and another web methods component.
* Involved in batch processing using **Spring Batch** framework to validate feed files and load data.
* Documented how Spring batch is useful for the current project.
* Extensively used on reading and writing to/from the files by using newly introduced methods in **Java 11**.
* Using **Spring Data JPA with Hibernate**to integrate**SQL Server**into backend web applications and performing **CRUD** and aggregation operations on a database.
* Built and consumed **RESTful web services** in modules and implemented serialization using **Spring Data REST** and **JSON**.
* Implemented Microservice architecture using Spring boot and integrated **Swagger** to get dynamic documentation With Schema and Rest End Points.
* Worked on **Spring Boot Actuator** to expose data through different technologies like HTTP (endpoints), JMX, SSH and /health endpoint to show the health of the application.
* Used **Apache Kafka** message brokers for communicating between different applications and **Microservices** with Spring boot configuration.
* Diverse experience utilizing tools in N-tier and **Microservices** architecture applications using **Spring Boot**, **Spring Cloud** config, Netflix OSS components (**Eureka**, **Zulu**, **Hystrix**).
* Developed end to end data processing pipelines that begin with receiving data using distributed messaging systems **Kafka** through persistence of data into **HBase**.
* Experience on **AWS** cloud services like **EC2, S3, RDS, ELB,** and **EBS** in both installing and configuring.
* Used **AWS** Deploying, managing, operating scalable, highly available, and fault tolerant systems. Also, implemented and managed continuous delivery systems and methodologies on **AWS.**
* Building search feature based on open-source tool Elastic Search
* Implemented system logging solution using Elastic Search, Kibana and Logstash
* Worked on **Microservices** for Continuous Delivery environment using **Docker** and **Jenkins**.
* Experienced with OpenShift platform in managing **Docker** containers and **Kubernetes clusters**, develop and test environments of different applications by provisioning **Kubernetes** clusters on **AWS** using **Docker.**
* Worked on creation custom **Docker** container images, tagging, pushing images, integration of spring boot.
* Carried out responsibility of delivering the tasks including database scripts, source code and any other documents as and when required through **GitHub**.
* Worked on performance testing of service using **JMeter**, used debugging proxy tools like **Fiddler** and **Firebug** /**Firefox** to identify system errors associated with defects. Performed Functional API and performance testing of the web services using **JMeter** scripts and Selenium **WebDriver** plugins.
* Writing and executing load, volume, and performance tests for **JAVA** based platform using **JMeter** and uploaded scripts in **Blaze Meter** and sharing the report to appropriate team.
* Experience developing test plans and automating test cases following standard testing frameworks and agile methodology, using **Selenium RC** and **TestNG, JUnit**.
* Written several test cases using **JUnit & Mockito** for unit testing.
* Maintained, structured, and surveyed documents within the **SQL Server**, ensuring data integrity, correcting anomalies, and increasing the overall maintainability of the database.

**Environment: Java 11, Spring Boot, Spring MVC, Spring Data JPA, Spring Data REST, Spring Actuator, Python, Restful Web Services, Microservices, Apache Kafka, Netflix Eureka, AWS, Docker, Kubernetes, OpenShift, Hibernate 5.2, GitHub, STS, Log back, SQL Server, Selenium, Swagger UI, Junit, Maven, Jenkins, JMeter.**

**Client: AIG, Charlotte, NC Mar 2019- Oct 2020**

**Role: Java Developer**

**Description**: American International Group, Inc., is an American multinational finance and insurance corporation with operations. Developed services, buying a home, planning a trip, or protecting your portfolio of properties, our coverage and products can help give you a stronger future.

**Responsibilities:**

* Involved in the analysis, design, development, implementation, and testing phases of **SDLC**.
* Managing the OpenShift cluster that includes scaling up and down the **AWS** app nodes.
* Developed code using design patterns like **DAO, Factory pattern, Singleton, and Value Objects.**
* Maintained **Interface** compatibility and **concurrency** in the project using **Java 8** features like default, static methods, and concurrency API.
* Used Log4j for logging various levels of information like error, info, and debug into the log file and Used JIRA extensively for Defect tracking and reporting, made use of Confluence for document management.
* Implemented modules using Core Java APIs, **Java 8**(Streams), multi-threading and object-oriented designs.
* Implemented data integration to backend database by using **ORM** tool **Hibernate**.
* Used **Oracle** as backend database and developed business logic using **Spring Boot** for processing the front-end request and to fetch the data from the database.
* Used **Spring AOP** for cross cutting concerns like logging, security, and transaction management.
* Implemented **Microservices** architecture with **Spring Eureka** using **Spring Boot** to provide client-side load balancing in calls to another **Microservices** making application into smaller chunks.
* Worked with **Docker** to deploy **Microservices** in modern containers to increase isolation.
* Extensively used **Apache Kafka** reliable asynchronous exchange of information between multiple applications.
* Developed **API** for using **AWS Lambda** to manage, trigger servers and run the code in **AWS EC2** instances.
* Created event driven jobs using **AWS** like **S3** and **AWS Lambda** with **java**.
* Worked in instantiating multiple **AWS EC2** servers and utilized **AWS Lambda** platform to upload data into AWS **S3 buckets** and trigger other Lambda functions.
* Migrated existing application into **Microservices** architecture using **Rest APIs, Spring Boot,** and **AWS**.
* Developed **REST** web services using Spring MVC to extract client related data from database and used POSTMAN for testing these **RESTFULAPI** web services and **Json**.
* Using **Jenkins** for **CI/CD**, using **Maven** for build, **GIT** for version control.
* Used **MAVEN** as build tool and developed build file for compiling the code of creating WAR files.
* Used **Log4j 2 & JUnit** for debugging, testing, and maintaining the system state.
* Involved in writing **Maven** scripts for automated deployment of the application, managed **GitHub** Projects, migrated from **SVN** to **GitHub** with merge and version and used **Jenkins** for continuous integration.
* Created and customized applications, searches, and dashboards using **Splunk**.
* Worked with **MongoDB** to store non-relational data into collection and retrieve them whenever required.
* Worked on relational database design and SQL **queries**, **Stored Procedures, Views**, and **functions** with **Oracle**.
* Used **OracleSQL** loader for executing the client request and extensively used the oracle Import/ Export Utility tools.

**Environment: Java 8, Spring boot, Spring AOP, Microservices, Hibernate, Docker, Apache Kafka, OpenShift, AWS, Log4j 2, CI/CD, Maven, Log 4J, JIRA, JUnit, Rest, Postman, Git, Jenkins, Splunk, MongoDB, Oracle.**

**Client: Fidelity Investment, NC Dec 2017-Feb 2019**

**Role: Java Developer**

**Description:** The Online Reports application to provide customers an online view into their mandatory as well as optional reports. Users can request access to the Online Reports tool including the ability to view/export/print specific mandatory and/or options reports. The Online Reports tool receives and loads reports into the eService database.

**Responsibilities:**

* Involved in Various phases of **Software Development Life Cycle of** the application Requirement gathering,

Design, Analysis and Code development. Generated Use case diagrams, Class diagrams, and Sequence diagrams using Rational Rose. Used **JavaScript, jQuery, JSTL, CSS and Struts 2 tags** for developing the **JSP’S**.

* **Agile Methodology** is used for Application Development.
* Used **CSS Sprites** to decrease the number of **HTTP** requests and load time of web pages.
* Development of services that utilize the Cloud Foundry and Azure client libraries (SDK) for Java.
* Created deployment models for cloud foundry, explaining the underlying VM, Container, and application layout across multiple PCF foundations spread across the globe
* Solutions involved logging with **ELK** and **Splunk**, custom build packs, service-to-service security, and other common issues faced when PCF is involved in a large-scale digital transformation
* Used **J2EEdesign** patterns Value Object Pattern, Session façade, Singleton, Factory and DAO.
* **Spring with Tiles Framework** is implemented for a common look in all the presentation views.
* Developed **EJB MDB’s** and message Queue’s using **JMS** technology.
* Used Informatics Power Center Workflow Manager to create sessions, batches to run the logic embedded the mappings, implemented security for different front-end views based on the access privileges.
* Involved in writing **XML** validation classes using Struts validation framework.
* Used **XML Web Services** using **SOAP** to register agents using non-java applications.
* Developed services that are reusable and interoperable, based on **SOAP, WSDL,** and **JAXWS** Web Services.
* Used **RAD IDE** based on **Eclipse** for writing code for **JSP, Action Classes,** and **spring beans**.
* Implemented **Spring JDBC** at database layer to persist the object into database and created connections to MySQL DB using **Spring JDBC** to perform **CRUD** operations at database level.
* Used **IBM WebSphere** Application Server to deploy the application.
* Continuous integration services are provided for software development using **JENKINS**.
* Developed BDD tests using Cucumber by writing features and Developed required **Selenium** support code in **JAVA** for **Cucumber**.
* Performed parameterization of the automated test scripts in Selenium to check how the application performs against multiple sets of data Contributed to developing Automation Framework that uses **Java**, **Selenium Web Driver** and **TestNG.**
* Used **SVN** for version control and used **Log4J** to capture the log that includes runtime exceptions.
* Developed the **ANT** scripts for preparing **WAR** files used to deploy **J2EE** components.
* Designed and implemented the **MongoDB** schemas, implemented Embedded and Normalized data models in **MongoDB**, and add/ remove replica and shard nodes in **MongoDB** Cluster.

**Environment: Java, J2EE, JSP, JMS, Spring 3.0**, **Spring JDBC,SOAP, Design Patterns, ANT, Rationale Rose, Azure, IBM RAD IDE, PCF, WebLogic Application Server 10.x, MongoDB, Selenium, Log4J, SVN**

**Client: Model N Pvt Ltd Jun 2013 – Sep 2015**

**Role: Jr. Java Developer**

**Description:**Revenue Management is the application of disciplined analytics that predict consumer behavior at the micro-market level and optimize product availability and price to maximize revenue growth. The primary aim of Revenue Management is selling the right product to the right customer at the right time for the right price and with the right pack.

**Responsibilities:**

* Responsible and mentored the team in complete **software development lifecycle** (**SDLC**) tasks - design, coding, testing, and documentation using **Rational Unified Process** (**RUP**) for analysis design of application.
* Designed the application using the J2EE design patterns such as **Session Façade, Business Delegate, Service Locator, Value Object, Value List Handler, Singleton**.
* Used the lightweight container the Spring Framework to provide architectural flexibility **inversion controller**.
* **Spring** with **Tiles Framework** is implemented for a common look in all the presentation views.
* Integrated struts MVC with **spring DI** and **Spring hibernate DAO.**
* **EJB** Session Beans were used to process requests from the user interface and CMP entity beans were used to interact with the persistence layer.
* Developed **EJB MDB’s** and message Queue using **JMS** technology.
* Implemented security for different front-end views based on the access privileges.
* **Hibernate framework** is used in persistence layer for mapping an object-oriented domain model to a relational database.
* Implemented various design patterns in the project such as **Business Delegate**, **Data Transfer Object**, **Data Access Objec**t, **Service Locator** and **Singleton**.
* Used **SQL** statements and procedures to fetch the data from the database.
* Used Java Scripts for client-side validations and validation framework for server-side validations.
* Used **SAX** and **DOM** parser to parse the XML documents and **XSLT** for transformations.
* Consumed **Web Services** (**WSDL**, **SOAP**) from third party for authorizing payments to/from customers.
* Deployed the application on to WebSphere application server.
* Used **log4j** for logging messages and Rational Clear Case for version Control.
* Developed test cases and performed unit test using **JUnit** Framework.
* Used **CVS** as version control.
* Used **ANT** scripts to fetch, build, and deploy applications to development environment.

**Environment: Java, J2EE, Servlet’s, Struts1.1, JSP, XML, PL/SQL, JDBC, Sybase, WSAD 5.0. Web Services, JAX-RPC,, An Eclipse Plug-ins, Solaris Shell Scripting.**

**Certifications:**

**AWS certified cloud practitioner**