**Shiva Koirala**

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**Full Stack Java Developer**

**PROFESSIONAL SUMMARY**

* **Around 6** **years** of experience in **Java/J2EE**, **Object Oriented programming**, developing, and testing of **Client/Server, Enterprise,** and **Web Applications**. Involved in all stages of **Software Development lifecycle (SDLC)** as well as **Agile/Scrum and waterfall** workflow**.**
* Have experience in designing and developing web developing web applications using **HTML5, CSS3, JavaScript, AngularJS, jQuery, XML, Bootstrap JS, JSP, JSON, JSF and AJAX.**
* Hands on experience using **ReactJs** components, forms, events, keys, router, plus Redux, animation and Flux concept.
* Expertise in Core Java concepts such as **OOP concepts**, **Collections Framework**, **Exception Handling**, **I/O System**, **Multi-Threading**, **JDBC**, **Reflection**, **SWING** and **Generics**.
* Experience developing complex, high-performance enterprise scale web, Web Service, and **batch processing software using Java/J2EE technologies.**
* in developing application with use of different Architectures and Frameworks like **Model View Controller (MVC)**, **Data Access Object (DAO)**, **Data Transfer Object** and **POJO.**
* Proficient in the development of **client/server and web Applications** using **JAVA, J2EE, J2SE technologies** and **Web Technologies for enterprise applications.**
* Hands on experience using **jQuery**, **Node.js**, **Bootstrap** and **Angular JS** for changing styles dynamically, creating animating effects and manipulating DOM structures.
* Have pretty good understanding and worked on implementing **Service Oriented Architecture** (SOA) using **XML Web Services**, **Handling HTTP Request,** and responses, creating Web service clients, handling communication calls to methods and External Interfaces.
* Experience with object-oriented client-side scripting using **Typescript, ES6, JavaScript frameworks**, including **jQuery, AngularJS**.
* Hands on experience working with server-side framework like **NodeJS** and **JavaScript** libraries like **ReactJS**, **Flux** and **Redux**.
* Experience in working with JavaScript framework such as **ReactJS** and involved in developing single page application using **Redux, Bootstrap.**
* Strong work experience in developing and consuming **Micro Services**, application integration using **Web Services** such as **JAX RPC, JAXB, JAX-WS, SOAP, WSDL, JAX-RS, RESTful**
* Experienced in developing web applications using various modules of **Spring framework** and has experience working with MVC frameworks like **Struts** and ORM tools like **Hibernate.**
* Extensiveexperience in developing Web servicesusing **SOAP, RESTful, Axis, WSDL, WS Security, XML-RPC and JAXB/JAXP.**
* **Have strong experience in configuration, deploying the web applications on Apache Tomcat, Oracle/BEA WebLogic, IBM Web Sphere, web servers and experience in Unix/Linux, Shell Scripting, Build and Deployment.**
* **Extensively worked on JDBC/ODBC for mapping the java objects to relational database and SQL/MYSQL queries to retrieve, insert, update, and delete the data from the databases.**
* Experience in installing, deploying, and testing with multiple Application Servers like **WebSphere, WebLogic, JBoss Application Server and Tomcat web container.**
* Worked in reading and interpreting **UNIX** logs Modified JIL scripts to scheduled Autosys nightly jobs. Also, worked in preparing **UNIX** shell scripts for testing the applications.
* Have pretty good understanding on partition of **Kafka** messages and setting up the replication factors in Kafka Cluster and have also used Spring Kafka API calls to process the messages smoothly on **Kafka** Cluster setup.
* Extensive experience using **spring** framework and **ORM** mapping tools like **Hibernate**, which implements Java Persistence API (JPA).
* Involved in the Continuous Integration of the **automation** framework on ANT build files and **Jenkins**.
* Have pretty good experience using **Selenium** Web Driver, Junit and **cucumber** framework and have performed **automation** tests using JavaScript, Jasmine and Protractor to perform UI testing.
* Used Continuous delivery / Continuous Integration (**CD/CI**) tools **Docker**, **Jenkins** to deploy this application to **AWS** and used **GIT** for Version Control of code for incremental development.
* Used **Docker** coupled with load-balancing tool Nginx to achieve continuous delivery goal on high scalable environment.
* Have worked with OpenShift platform in managing **Docker** containers and **Kubernetes** Clusters.

**TECHNICAL SKILLS**

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| Languages | Java, J2EE, PL/SQL, Core Java, Java 1.7&1.8, Java Enterprise Edition, Python, G0-lang |
| Web Technologies | Servlets, JSP, JavaScript, jQuery, AJAX, Angular JS, Angular4, Angular 8, HTML, XML, Bootstrap, CSS, SCHEMA, EXT JS, React, Typescript, Redux. |
| Frameworks | Struts, Spring, Spring Boot, Hibernate, JSF, Spring Batch, Mockito, Griffon |
| Web Services | SOAP, REST, WSDL, JAX-RS, JAXB, JAX-WS |
| Databases | MongoDB, Oracle, SQL Server, PL/SQL, DB2 and MySQL |
| Version controls | GIT, SVN |
| Tools/Software | Eclipse, My Eclipse, Net Beans, SQL, TOAD, SQL Developer, Clear case, Subversion, Junit, IntelliJ, Flutter |
| App/Web Server | Apache Tomcat 7.0.14/9, JBoss, WebSphere and WebLogic |
| Operating Systems | UNIX, Linux, Windows |
| Methodologies | Agile Methodology, Scrum, Waterfall model |

**PROFESSIONAL WORK EXPERIENCE**

**Client: Starbucks – Seattle, WA June 2019 – Present**

**Full Stack Java Developer**

* Responsible for Development, design, and testing of Web applications by gathering the requirements from the business, followed **Agile Scrum Methodology** for software development process.
* Responsible for Developing Member Portal Application components using **Java**, **UI** Technologies such as **HTML**, **CSS**, **JavaScript**, **Typescript, ReactJS, Redux, NodeJS, Angular 8 components**.
* Responsible for making Member portable Application which enables users to login, update and to enter information, and to perform many other data entry tasks using **Angular 8** make the forms more reactive and robust.
* Extensively used **Angular** 8 for data binding (two-way data binding) between TypeScript Code and HTML Template and created Angular 8 form.
* Extensively used **React Js** components to make forms in member portal application creating interactive UI.
* Extensively used **batch processing** using Spring Batch framework to extract data from the database. It is used for automating and processing multiple transactions as a single group.
* Document’s project-planning assumptions, functional requirements, product features and specifications for programmers Recommends Operational and process improvements based on efficiencies and available technologies.
* Ensures Seamless Performance of client applications to ensure that no schedule is delayed beyond the specified SLA for the project. Responsible for review of testing artifacts to enhance the quality and deliver better product to client.
* Used **Microservice** architecture with **Spring** **boot** to develop **REST** based Web Services with minimal configuration.
* Supporting across different modules of FACETS product- Membership, Claims, Provider, Utilization Management, and workflow. Proactively report risks and provide mitigation plans to overcome risks. Implementation of **RCA** (Root Cause Analysis) outcomes/best practices in future releases.
* Used **Hibernate**, Object/relational mapping (ORM) solution, the technique of mapping data representation from MVC model to Oracle relational data model with **a SQL**-based schema.
* Wrote **SQL** queries, **PL/SQL** stored procedures/Packages and triggers to augment the application logic.
* Created and injected spring services, **Spring** **controllers**, and DAOs to achieve **dependency** **injection** and to wire objects of business classes.
* Used Microservice architecture with **Spring boot** to develop **REST** based Web Services with minimal configuration Supporting across different modules of Search Functionality, Order Summary.
* Developed Controller for request, response paradigm by Spring Controllers using **Spring-MVC,** Used **JSON** as response type in **REST** services.
* Used Spring Rest Controllers, Web **Spring** **MVC** and **Spring Boot** extensively to implement server-side business logic.
* Developed **Micro services** with **Spring boot** along with the test cases and used the spring test's framework to create integration tests.
* Implemented **Restful** Web Services using **Rest Assured** java-based library to retrieve data from client side using Micro Services architecture.
* Involved in testing SOAP and Rest services using **Rest Assured** and tested both XML and JSON formats.
* Actively involved in code reviews and bug fixing, worked on existing oracle stored procedures to retrieve or validate the data for the proper validations.
* Used **Kubernetes** to orchestrate the deployment, scaling and management of **Docker** Containers and managed Docker orchestration and **Docker** containerization using **Kubernetes.**
* Involved in the development of test environment on **Docker** containers and configuring the Docker containers using **Kubernetes.**

**Environment:** Java, Angular 7, Angular 8, Typescript, NGRX, Spring, Hibernate, Oracle, SQL, PL/SQL HTML, CSS, JavaScript, React, Redux, Groovy, NodeJS, Junit, Jenkins, Agile, Webservices, RAD, Batch Processing, Tortoise SVN, IBM Web Sphere, Soap, Insomnia, Oracle SQL, Groovy/Grails.

**Client: GRSi – Rockville, MD May 2017 – May 2019**

**Full Stack Java Developer**

* Involved in gathering requirements, deriving functional requirements and system requirements from the Business Requirements, and followed Agile Scrum Methodology for software development process.
* Implement the web application using **Express**, **Angular4** along with **HTML5**, **CSS3**, **JavaScript**, **jQuery**, **Bootstrap** and other web technologies.
* Developed various **Angular directives** to help build the functionality and UI behaviour using **JavaScript, also** developed **filters** and angular services.
* Worked on creating Angular 4Reactiveforms to implement complex forms and performed the validations using Form Builder.
* Created services with **Angular 4** @injectable property, as to make the service available for **dependency injection** when creating components.
* Built the reusable service components using Angular 2 services with Object Oriented JavaScript, jQuery, HTML, CSS3 based on the visual designs.
* Worked on creating **Angular 2** forms and validations to validate the user input, Used **Angular 2 ngIf** and **ngFor** for validations for the input fields of the forms with the data existed in the database.
* Implemented **RESTFUL** web services using **Spring boot** and consumed using spring **REST** services. Published Rest services for performing CRUD operations from database.
* Extensively Implemented **Spring boot**, **dependency Injection** (DI) and aspect-oriented programming (**AOP**) features along with **hibernate.**
* Worked using Spring boot microservices to process the messages into the **Kafka** cluster setup and implemented Kafka producer and consumer applications on **Kafka** cluster setup with the help of Zookeeper.
* Have implemented to reprocess the failure messages in **Kafka** using offset id and have worked on real time data integration using Kafka.
* Have written **Kafka** producers to stream the data from external rest APIs to Kafka topics.
* Extensively used Core **Java collections**, **Generics**, **Exception handling**, Design patterns for functionality, also worked on java 1.8 functional programming concepts, **lambda expressions.**
* Experienced in deploying the **Cassandra** cluster in cloud, on premises, data storage and disaster recovery and worked on Cassandra Data modelling, **NoSQL** Architecture, DSE Cassandra Database administration.
* Designed, developed, and maintained the data layer using Hibernate 4.0 and using Spring ORM to integrate with Hibernate.
* Developed **hibernate** inheritance mapping using single table approach and configured multi-level caching in Hibernate.
* Designed tables **in Oracle 11g database** and worked with Database Developers for implementing Stored Procedures in the application.
* Worked in different IDEs like Eclipse, Spring Tool Suite and IntelliJ IDEA and worked on various application and web servers like IBM **WebSphere**.
* Configured **Maven** for Java automation projects and developed Maven project object model (POM) for Unit and Integration tests. Developed scripts for build, deployment, maintenance, and related tasks using **Jenkins**, **Maven.**
* Performed unit testing and integration testing on all the applications using various tools like **Jasmine**, **Karma** and **Junit.**
* Involved in setting up **AWS** services with **EC2** instances, **S3** bucket, **IAM**, **RDS** took part in deploying application in **AWS.**
* Writing and retrieving files to and from **AWS S3bucket** for UI to render data faster that involves complex and time-consuming server-side logic.

**Environment:** Agile, Java 8, JDK, J2EE, XML, Spring, Git, Hibernate 4.2, XML, JavaScript, jQuery XHTML, Design Patterns, JUnit, Jasmine**,** Spring boot, NoSQL, SQL, Cassandra, REST, Web Services, Eclipse, Postman, Kafka, WebLogic, Oracle 11g, Web Sphere, Jenkins, JIRA.

**Client: Nisum Technologies – Hyderabad, India Oct 2014 – Nov 2015**

**Java/J2EE Developer**

* Actively participated in requirements gathering, analysis, **design**, and **testing** phases of Software Development Cycle.
* Implementation of J2EE Design Patterns like Singleton, Session Façade, and Data Access Objects.
* Designed **Java** classes using **Spring** Framework to implement the Model View Control (**MVC**) architecture.
* Involved in developing the Helper classes for better data exchange between the MVC layers.
* Maintain documentation for **batch processing**, systems turnovers, and reports delivery related to service tickets.
* Developed presentation layer using **Spring MVC** and used annotation-based mapping to map the **JSP post backs** to the controller methods.
* Built **RESTAPI** endpoints for various concepts, implemented separate controller for each screen using **Spring MVC components** and created helper class to navigate into different layers.
* Developed application service components and configured beans using **Spring IOC, JPA** annotation. Configured and implemented Spring Application Context to instantiate all bean classes in **Spring MVC framework.**
* Developed code for handling bean references in spring framework using **Dependency Injection (DI), Inversion of Control (IOC)** using annotations.
* Worked with different spring modules- **Spring MVC, Spring Integration, Spring JPA, Spring Core, Spring Batch and Spring AOP**.
* Designed, developed stored procedures, functions, and triggers in PL/SQL to implement complex business rules. Worked with MySQL Work Bench, Wrote SQL queries and programmed stored procedures, packages and triggers using MySQL.
* Involved in deploying and managing Session Bean EJB in JBoss server and handled WAR files on Tomcat server.
* Involved in the deployment of application on **JBoss** clusters, slimming and fine tuning the enterprise JBoss Application server image.
* Deployed on Apache Tomcat server in local and integration test environments.
* Unit tested various code modules using JUnit and maintained the code in SVN repository.

**Environment**: Java, Spring, JSP, JDBC, Spring MVC, Web Services, Eclipse 4.3, 11g, Oracle 10, Log4j, EJB, JBoss, MySQL, DB2, Batch Processing, Apache Tomcat, TOAD, Junit, SVN.

**EDUCATION**

**Bachelor of Science (Computer Science) – East Central University, OK**