Bikal Shrestha

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Professional Summary:

- **5 Years** of experience in analysis, design, implementation, and testing of Object-Oriented Applications in Client/Server environments using **Java/J2EE** and UI technology stacks.
- Experience working with various **methodologies** based on **Agile, Scrum**, **Waterfall Model**, **TDD**, **Iterations.**
- Proficiency working in the UI web applications using **HTML5, CSS3, JavaScript, XML, jQuery, AJAX, Angular 2/8**.
- Expertise in design and development of various web and enterprise-level applications using **Java/J2EE** technologies.
- Strong experience in **JSF, Struts** and **Spring Framework modules such as Spring MVC, Spring JDBC, Spring Boot** and Spring Security Framework for User Access Management.
- Developed applications using latest technologies like **Spring Boot, Hibernate and REST based Webservices.**
- Experience in working with **Service Oriented Architecture that** includes (**UDDI**) lookups & (**WSDL**) using **SOAP**.
- Experience in configuring and deploying the applications on **Tomcat**, **WebSphere** and **JBoss** Servers.
- Experienced in writing **complex SQL queries, procedures**, **Triggers** and **Stored Procedures** in various databases such as **Oracle**, **DB2, MySQL and Postgres SQL**.
- Experience in using build/deploy tools such as **Jenkins, Kubernetes, Docker, and OpenShift** for Continuous Integration & Deployment for **Microservices**.
- Application assessment and maintenance of **Microservices** architecture applications using **Spring Boot** and **Restful Web Services.**
- Involved in development of test environment on **Docker** containers and configuring the **Docker** containers using **Kubernetes**.
- Proficient in using **AWS** and extensive experience focusing on services like **EC2, Cloud Watch, Cloud Formation, S3.**
- Good Knowledge in **Apache Active MQ Series** with **JMS, Kafka** messaging queues.
- Experience in using different version controlling/tracking systems **Subversion**, **GIT**.
- Experience in **JUnit** framework with **Mockito** and **TestNG**, **Spring Junit** Runner.

Technical Skills

Programming Languages	C, C++, Java, J2EE, SQL and PL/SQL.
Platforms	Windows, Linux, Unix, Mac
J2SE/J2EE Technologies	Java, J2EE, Servlets, JSP, JMS, JavaBeans, EJB, Spring, Hibernate, Web Services SOAP (JAX-RPC, JAX-WS), RESTful (JAX-RS), WSDL and UDDI.
Web Technologies	HTML5, CSS3, Bootstrap, Ajax, JavaScript, jQuery, NodeJS, Angular JS
Cloud Technologies	Amazon Web Services (AWS).
Databases	Oracle, My SQL, SQL Server, IBM DB2, Mongo DB and Dynamo DB.
Web/Application Servers	Apache Tomcat, IBM Web Sphere, Web logic and JBOSS.
Build Tools	ANT, Maven and Jenkins
IDE / Tools	Eclipse, IntelliJ, Spring Tool Suite (STS) and RAD.
Testing Tools/ Others	Selenium, JUnit, Mockito, Soap UI, Log4j.
Version Control	Tortoise SVN, CVS and GIT.

Professional Summary

ROLE: SR. SOFTWARE ENGINEER

- Actively involved in Analysis, Design, Development, System Testing and User Acceptance Testing. Successfully followed **agile** methodology in the Scrum Cycle model.
- Involved in the development using **Java/J2EE** Technologies, Web Services and **Hibernate ORM** Framework.
- Designed and developed Microservices using **REST** framework and **Spring Boot** and used **Bootstrap** along with AngularJS in creating the Application.
- Worked in all the modules of the application which involved front-end presentation logic developed using, JSP and **JavaScript**, **Middleware** layer using Servlet and Controllers, Business objects developed using Page Beans and data access layer using **iBatis** and **Hibernate** framework.
- Developed the responsive UI web pages using **XHTML**, **jQuery**, **HTML5**, **CSS3**, **AngularJS**, JavaScript, **NodeJS** and has worked with AngularJS filters in expressions and directives to filter data in the UI.
- Extensively used **MVC**, **Factory**, **Delegate** and **Singleton** design patterns.
- Used spring framework including spring core/**IoC, Spring Web**, **Spring Security** and implement the authentication, authorization, and access-control features by using Spring Security.
- Used Spring Inversion of Control (**IOC**) for injecting the beans and reduced the coupling between the classes and implemented the Model View Controller using **Spring MVC**.
- Implemented the application using Spring Boot Framework and handled the security using Spring Security.
- Microservices have been built using spring boot, **Netflix OSS**, **Spring cloud** and deploying to **AWS** Cloud.
- Application and developed cross browser and multi browser compatible web pages using HTML5, CSS3, and **Bootstrap**.
- Implemented code according to create AngularJS **Controller**, which isolate scopes perform operations.
- Implemented **REST** based web services using **JAX-RS** annotations, Jersey provider and consumed using **HTTP** services from **Angular** modules.
- Responsible for setting up **Angular** framework for UI development.
- Used spring framework to provide loose coupling between different application modules.
- Developed Hibernate with Spring Integration as the data abstraction to interact with the database of Mongo DB.
- Developed single page applications, components using **Angular** directives, controllers, view and routing, service modules.
- Used Microservices to communicate using synchronous protocols **HTTP** and **REST** for implementing SOA.
- Worked with **NoSQL** database **MongoDB** and worked with it to perform many different operations.
- Developed unit tests with **JUNIT** and **Mockito**. Write automated regression tests using **JMeter**.
- Developed build tasks to run the unit tests on **Jenkins** and maintaining separate build in **Maven** for the module for easy integration to the portal build and configure with Jenkins.
- Worked closely with QA team and fixed QA bugs with a quick turnaround time.
- Focused on Test Driven Development; thereby creating detailed Unit tests for every single piece of functionality before writing the functionality.
- Used Rational Application Developer (**RAD**), which is based on **Eclipse**, to develop and debug application code.
- Used Apache **Maven** for project management and building the application.
- Used **Log4j** utility to generate run-time logs and used Clear Case for project management and version management.

Environment: J2EE, Java 1.8, Spring framework, Spring MVC, Hibernate, JSP, AJAX, Web Services, Microservices, NodeJS, JavaScript, Apache Maven, Apache Cassandra, Mongo DB, JUnit, Spark, Kafka.

ROLE: FULLSTACK SOFTWARE ENGINEER

- Involved in the SDLC phases to analyze the requirements, design, development, deployment & testing of the application based on Java/J2EE technologies and **Design** Patterns.
- Implemented the Object-Oriented Programming Concepts for validating the columns of the import file.
- Played an important role in writing the **JUnit** test case scenarios for all the validations.
- Responsible for creating Restful Web Services.
- Used SOAP UI to test the existing services.
- Responsible for consuming Web Service from **WSDL**.
- Designs develop and test **HTML**, **CSS**, **jQuery** and **ReactJS**, **Redux** that meets accessibility of web browser.
- Experience in built web services using spring and **CXF** operating within ESB, offering REST, AWS, and SOAP interfaces.
- Build **SOAP** Web Services based on **AWS** (Amazon Web Services).
- Created and deployed new features to sustain and amend existing applications under MVC pattern using NodeJS, Bootstrap and ExpressJS.
- Developed the Frontend by using **ReactJS** and **JavaScript**.
- Expertise in ReactJS framework and integrate them to Node.js server-side code.
- Implemented flux pattern by using **redux** framework as a core dependency.
- Design develops and test HTML, CSS, jQuery and **ReactJS**, **Redux** that meets accessibility of web browser.
- Wrote many shell scripts in Unix to call routines.
- Developed **SPA** (single page application) project using Angular 2 and Typescript for frontend, NodeJS and Postgres for backend
- Hands-on experience in building a **MEAN** stack app with an Angular 2 and Implemented **HTTP** requests using **RXJS** Observable library to handle multiple values over time.
- Skilled **using Angular Material, Bootstrap** along with font-awesome to do view design and template functions such as icons, buttons, pagination, and models.
- Developed web **API** using **NodeJS** and hosted on multiple load balanced API instances.
- Used apache common digester to parse data from XML files and populate data into java beans.
- Implemented business logic using Array list, Map and Sets of **Collections API**.
- Involved in development of **Agent Verification System** using **Spring MVC** framework
- Used **Spring AOP** for logging, auditing, and transaction management to distinguish business logic from the cross-cutting concerns.
- Used **Spring Security** for Authentication and Authorization of the application.
- Created **data model** and generated Hibernate mappings and domain objects using **Hibernate** tools.
- Extensively used Hibernate named queries, criteria queries, Hibernate Query Language (**HQL**) and Optimistic Locking and Caching to process the data from the database.
- Worked with **Apache Tomcat** application server that handles various requests from Client.
- Deployed fixes and updates using **WebLogic** application server.
- Involved in testing the applicable code using **JUnit**.
- Used Maven tools for building and deploying the Web applications.
- Used logging techniques provided by **Log4j** tool for efficient logging and debugging.
- Used GIT as a version control system.

Environment: Java, Core Java, Java API, Angular Apache Tomcat, Maven, Spring, Hibernate, Web logic, JBoss, Eclipse IDE, REST, SOAP, GIT

ROLE: JAVA DEVELOPER

- Followed **Agile Software Development** Methodology in the progress of the project.
- Involved in design of **Class Diagrams**, Sequence Diagrams and Event Diagrams as part of Documentation.
- Designed and developed the application to be responsive for desktop, mobile and tablets using Twitter Bootstrap (**HTML5, CSS, and JavaScript).**
- Used **Java-J2EE** patterns like Model View Controller **(MVC**), Business Delegate, **Data Transfer Objects**, Data Access Objects, factory patterns.
- Created End to End Framework for Acceptance Testing using **Cucumber, JDBC, Maven, WebDriver, Java and TestNG**
- Developed various **REST** controllers for different **HTTP** methods to serve the data in **JSON** for the **UI**.
- Used **MAVEN** for project management and build automation. Used Subversion as a version control for implementing the application.
- Used shell scripts for the deployments to **Web Sphere Application Server for IT** (Integration Testing), ST (System Testing), **UAT** (User Acceptance Testing) environments.
- Provided **scalable** architecture using **Hibernate** and Spring (**IOC, ORM, JDBC, and MVC)** frameworks.
- Worked with Web services components like Restful **Web services** to interact with UI Interfaces using REST Easy API.
- Worked on java **Multi-threading** programming, **Synchronization**, Java Mail **API** and Collections API for concurrent product models upload/download process.
- Created various unit test cases and integration tests for the **DAO,** Service, and Controller components using **JUnit**, DB Unit and Spring Test support.
- Developed **SOAP** based web services using **Apache CXF** and test them using **SoapUI.**
- Extensively used the **LOG4j** to log regular Debug and Exception Statements.
- Used Spring framework and **J2EE** components, utilized **Spring Boot, IOC,** and **DAO** modules.
- Developed **controller classes**, backend process, **complex services,** and database interaction.
- Used **Spring Boot** to create stand-alone spring applications.
- Used **Spring Boot** framework to write Presentation Layer, Business Layers and Controller servlets.
- Testing and production support of **core java** based multithreading **ETL tool** for distributed loading **XML** data into **Oracle database** using **JPA/Hibernate**.
- Implemented **Java EE** components using **Spring MVC**, **Spring IOC**, Spring transactions and Spring security modules.
- Employed **Spring Boot** for initialize and bootstrapping the build configuration for the boot-based web applications.
- Created database tables in Oracle and **Teradata** created required **SQL** queries, stored procedures, and used JDBC to perform database operations.

Environment: Java, Core Java, JIRA, Spring boot, JUnit, Agile, Spring, JavaScript, ORM, Webservices, Selenium, HTML, CSS, Oracle PL/SQL, Maven, Bootstrap, JMS, Jenkins, GIT, RESTful.