

Bal B. Bohora

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Summary:

- 7+ years of experience as a Full Stack Java Developer with proficiency in requirement analysis, design, development, integration, testing, and maintenance of web-based Client/Server applications using Java/J2EE and Cloud technologies.
- Experience in complete Software Development Life Cycle (SDLC) using methodologies like Agile Methodology, RUP, and Test-Driven Development.
- Experience in Core Java concepts such as OOP Concepts, Collections Framework, Exception Handling, I/O, System and Multi-Threading.
- Working experience in Java and J2EE technologies like Servlets, JSP, JDBC, Spring JDBC Template, Hibernate, JMS, JTA and XML.
- Expertise in design patterns like Singleton, Factory, Prototype, Business Delegate, Session Facade, Service locator, Visitor, Observer, Front Controller, and DAO pattern.
- Expertise in Spring framework, including Spring IOC, Spring DAO, Spring ORM, Spring AOP, Spring Security, Spring Boot, and Spring REST.
- Experienced in developing Use Case Diagrams, Sequence diagram, Collaboration Diagram, Activity Diagram, Packages and Classes using Rational Rose and MS Visio.
- Skilled in developing frontend applications using HTML5, CSS3, JavaScript, jQuery, Bootstrap, AJAX, JSON, Typescript, and Angular.
- Worked with Web Services like SOAP with WSDL and RESTful with JAX-RS and Apache CXF to implement SOA.
- Experience in applying JMS for reliable information exchange across Java apps using Apache Kafka, RabbitMQ, and ActiveMQ to communicate from Client to Server.
- Capable of using IDE tools NetBeans, Eclipse, IntelliJ and deploying the applications on Apache Tomcat, IBM WebSphere, WebLogic, and JBOSS Servers.
- Working experience with XML technologies like XML, XSL, XSD, DTD, XSLT and parsing XML with SAX and DOM parsers.
- Expert in Database design, creation and management of Schemas, writing Stored Procedures, functions, Triggers, DDL, DML SQL queries.
- Experience in Amazon Web Services like EC2, VPC, Cloud Watch, Cloud Front, Cloud Formation, IAM, S3, Amazon RDS, Elastic Cache, SNS, SQS.
- Experience in using ANT & Maven to compile and package the components as well as customizing WAR/ JAR files.
- Skilled in handling Docker Containers using Kubernetes for deploying and scaling containerized applications.
- Experience with Log4j for application logging facility using Log4j, writing JUnit test cases for unit testing and to maintain the accuracy of the program code.
- Experience with Operating Systems like Windows, Linux, and UNIX.

Technical Skills:

C++, Java, J2EE, SQL, PL/SQL, JSF, EJB, Hibernate, JDBC, Servlets, JSP, JMS, J-Unit, WSDL, JAX-RS, Bootstrap, REST, SOAP, Angular, Hibernate, Spring MVC, Oracle, MySQL, SQL Server, MongoDB, Windows, Unix, Linux, Eclipse, IBM WSAD, RAD, WebSphere, WebLogic, Apache Tomcat, CVS, SVN, GIT, Maven, ANT, Jenkins.

Professional Experience:

Client: BCBSM, MI

Full Stack Java Developer (Nov 2021 – Present)

Responsibilities:

- Collaborated with team members, business analyst and stakeholders to understand business and functional requirements.
- Developed Class diagrams in UML showing generalization and other relationships, sequence diagram describing the interaction of objects over time.
- Used Spring IOC to make the code loosely coupled and Spring's Hibernate Support for transaction management.
- Implemented ORM using Hibernate for mapping persistence layer to database.
- Implemented customer frontend page using Angular & Bootstrap and developed the front server talk to the backend.
- Used jQuery & AJAX calls to transmit JSON data objects among frontend & controllers.
- Designed table-less layouts using CSS and appropriate HTML tags as per W3C standards.
- Created interface to use third party services using RESTful web service call by sending a JSON object and receiving the response.
- Performed data analysis to resolve the error and maintain the JSON API.
- Developed Microservices as Spring Boot app compatible with Pivotal Cloud Foundry.
- Responsible for Parsing XML data using XML parser and testing, fixing of the bugs and coding modifications.
- Configured Kafka to read and write messages from external programs.
- Developed JMS components to send messages from one application to another, internally.
- Used Oracle as database and Involved in the development of PL/SQL backend implementation and using SQL created Select, Update and Delete statements.
- Involved in creating Hibernate POJO Objects and mapped using Hibernate Annotations.
- Implemented and maintained the monitoring and alerting of production and corporate servers/storage using AWS Cloud Watch.
- Used Spring Batch for migration of data from one database to another database.
- Created WAR/EAR files from Maven and deployed them on WebSphere.
- Used SVN for version control and used RAD as the IDE for developing the app.
- Developed unit test cases using JUnit framework for testing accuracy of code and logging with Log4j.

Client:US Foods, Rosemont IL

Full Stack Java Developer (Jun 2020 – Sept 2021)

Responsibilities:

- Involved in complete development of Agile/SCRUM to meet customer expectations with quality deliverables and tested the application in each iteration.
- Involved in writing code for Form Beans, Java Actions, **DTO** and DAO for accessing business methods in the business layer.
- Used various Core Java concepts like Collections, Multithreading for complex data computations and analysis.
- Used Spring AOP to implement logging in the application & Spring DAO for data access.
- Configured Spring to manage Actions as beans and set their dependencies in a context file and integrated middle tier with Hibernate.

- Used AJAX to create pagination and with client-side events like quick search.
- Worked with HTTP/HTTPS protocols by using Angular 5 components to build Microservices in Node JS.
- Wrote codes for consuming the REST APIs, getting JSON response and parsing them to get the required formats.
- Worked on JSON/XML data and carried out JSON/XML parsing for form submissions and DOM manipulation.
- Created external XML documents and wrote SQL Queries to interact with Oracle DB.
- Created POJO's and DAO's for database entities using Spring JDBC annotation mappings
- Integrated with Spring Cloud projects to provide distributed tracing and other features.
- Developed asynchronous RESTful Microservices using Spring Boot.
- Deployed Spring Boot based Microservices Docker container using Amazon EC2 container services and using AWS admin console.
- Performed portable deployment of applications as a single object using Docker.
- Used Maven to frame the deployable jar and war artifacts from source code and Integrated Maven with GIT.
- Used Spring Security Management for user verifications.
- Applied Java8 features in developing the code like Lambda expressions, creating resource classes, fetching documents from database.
- Used Log4j to print the logging, debugging, warning, info statements.
- Wrote J-Unit test cases to test unit functionality.

Client: Molina Healthcare, Bothell, WA
Java Full Stack Developer (Oct 2018 – Mar 2020)

Responsibilities:

- Involved in various phases of SDLC such as requirements gathering modeling analysis, code development, integration, and testing.
- Involved in developing Class diagrams in UML showing generalization and other relationships, sequence diagram describing the interaction of objects over time.
- Developed the application using Spring MVC that helps in separating the business logic, presentation logic, and navigation logic.
- Developed the persistence layer by using Hibernate ORM framework, defining entities through annotations.
- Used Angular factory and services for Dependency Injection and developed service infrastructure components in Typescript for a unified web UI initiative.
- Developed application to assess JSON and XML from RESTful web services using jQuery and Angular to fetch response data on user request.
- Implemented environment based JSON Web Token for the security of exposed services.
- Used Express JS which is fast and essential web framework of Node JS that helps manage a server and routes.
- Used AJAX to call the REST API methods and connect to the backend.
- Deployed the Application into Docker container and made easily accessible at runtime using Cloud Foundry and other cloud services like AWS.
- Used Cloud Watch for monitoring AWS cloud resources and the applications that deployed on AWS by creating new alarm enable notification service.
- 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.

- Created SQL queries, Stored Procedures, Functions for the Database layer as per required business objects and validating them with Stored Procedures using Oracle.
- Implemented large scale pub-sub message queues using Apache Kafka.
- Used Spring Security and OAuth2.0 for Authentication and Authorization of the app.
- Developed the sequential and conditional batch jobs using the Spring batch framework.
- Used Log4J for implementation of logging information about the application state.
- Created analytical matrices reports for release services based on JIRA tickets.

Client: Ensemble Health Partners, Cincinnati, OH
Java/J2EE Developer (Jan 2017 – Jul 2018)

Responsibilities:

- Involved in analysis, design, development, and User Acceptance Testing following Agile methodology in the Scrum Cycle model.
- Developed Project Page module, which facilitates editors, can select articles displayed in site using Object Oriented Programming.
- Used Spring IOC for injecting the beans, reduced the coupling between the classes, and implemented Model-View-Controller using Spring MVC.
- Implemented the application using Spring Boot Framework and handled the security using Spring Security.
- Used Hibernate to improve the application throughput, and created the mappings to fit the existing table structure.
- Updated pages using HTML5 & CSS3 in Angular framework and created Responsive Web Pages using Bootstrap framework.
- Used jQuery-AJAX to get the data in JSON format and display on HTML page.
- Coded Single Page Application using JavaScript client framework, as well as RESTful API developments in Spring restful API and Spring Boot.
- Used Microservices to communicate using synchronous protocols HTTP and REST for implementing SOA.
- Worked on XML for binding data to Java objects.
- Used Apache Kafka for reliable and asynchronous exchange of vital information between multiple business applications.
- Used AWS SDK for connection to Amazon S3 buckets as it is used as the object storage service to store and retrieve the media files related to the application.
- Developed Mean stack from scratch including MongoDB & Express.JS server development.
- Used Mongoose connector to connect MongoDB through Express framework.
- Used Jenkins for continuous integration & worked on performance improvements of app.
- Used version control management tool GIT.
- Used J-Unit to perform unit testing and develop test cases.

Client: J.B. Hunt, Lowell, AR
Java Developer (Jul 2015 – Nov 2016)

Responsibilities:

- Involved in interacting with business users and creating mock-up for user interface screens and functional design documents from requirements.

- Applied Core Java concepts like Multithreading, Concurrency, Exception Handling and Collections in the application.
- Developed the application using Spring IOC, Spring MVC Framework, Spring Batch and handled the security using Spring Security.
- Implemented cross browser and multi browser compatible web pages using HTML5, CSS3, jQuery, and Bootstrap.
- Developed Views using Bootstrap components, Angular-UI and involved in configuring routing for various modules using Angular UI router.
- Used AJAX web programming technique to make the required change to speed up the applications that run on the web.
- Used JavaScript to make the changes dynamically on the client page to improve the performance by decreasing the number of hits to the server.
- Built web-services using SOAP & Axis that allowed integrating the business application with the legacy applications and also facilitates for future applications.
- Developed and delivered SOAP based Web Services and used Apache-CXF and SOAP UI to test the services.
- Used Oracle as backend database using Windows OS
- Used Hibernate as the ORM Framework to access and manipulate data from the Oracle database and created views and stored procedures with PL/SQL.
- Responsible for complex queries using JDBC and also implemented JPA using provider as Hibernate at the Persistence layer.
- Used SVN for version control and used eclipse as the IDE for developing the application.
- Analyzed code coverage report from Jenkins to improve code coverage and configured multiple plugins in deploying applications.

Client: First Source Bank, South Bend, IN
Java Developer (Aug 2014 – May 2015)

Responsibilities:

- Elaborated Use Cases based on business requirements and was responsible for creation of Class Diagrams, Sequence Diagrams.
- Developed Asynchronous means of data retrieval from Server & Database using AJAX features.
- Developing JavaScript validation for client-side validations.
- Implementing the Application using Spring MVC Framework.
- Developed Java Classes for implementation of persistence of objects & caching of data in Hibernate.
- Developed code using various patterns- Singleton, Front Controller, Value Objects, Service Locator.
- Used Spring Framework at Business-tier & Spring Bean Factory for initializing services.
- Extensively using Core Java such as Multi-Threading, Exceptions, and Collections.
- Designed WSDL's and elaborated type definitions schemas based on corporate standards, integration and security specifications.
- Created SOAP webservices to allow app & services to connect to them over Internet.
- Implementing the Web Services and associated business modules integration.
- Tested JSPs in Firefox & Internet Explorer browsers. Identified & fixed browser issues.
- Using ANT script to compile and build the WAR.
- Configured the WebLogic handler for the Apache Web Server to serve static files.

- Developing SQL Statements as well as PL/SQL Stored Procedures for searching contractors depending on selection criteria.
- Developing Servlets for Document Upload, Image Streaming and caching the data.
- Development and Integration of the Application using Eclipse IDE.
- Performed Code reviews and code fixes.
- Using SVN for version control and Log4J to store log messages.
- Involving in Unit Testing, Integration Testing, and System Testing using J-Unit.
- Supported technical team members in resolution of functional and technical problems.

Education:

Bachelor of Information and Communication Engineering
Samcheok National University
South Korea, Gangwon-do (2001)