**Bharadwaj A**

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**PROFESSIONAL SUMMARY:**

* Over **8+ years** of strong software experience in **design, development** and **deployment** of **web-based Client-Server** business applications using **Java/J2EE technologies**.
* Experience in building user interfaces using **HTML5, CSS3, Bootstrap3, Bootstrap4, JavaScript, AJAX, Adobe Flex, ActionScript, JSON, Tag Libraries, Angular, Angular JS** and **React JS**.
* Proficient in applying design patterns like **MVC, Singleton, Session Facade, Service Locator, Visitor, Observer, Decorator, Front Controller, Data Access Object**.
* Expertise in design with Use Case, Sequence diagrams, Activity diagrams, Class diagrams with exposure to **UML**tools like **Rational Rose** and use of **Rational Unified Process**.
* Experience in spring models like **Spring MVC, IOC, Dependency Injection, JDBC, JTA, Spring Rest, Spring Boot, Spring Batch, Micro-services, Spring Eureka, Spring Netflix, Spring Ribbon** and **Spring Security**.
* Experience in creating custom **Docker** container images, tagging, pushing and pulling the images.
* Extensive experience in **Core Java, Spring, Struts, Hibernate, RESTful Web Services, JSF, JDBC, JSP, Servlets, EJB3.0, JMS, XML, XSLT, JAXB SQL, PL/SQL,** and **Unix Shell Scripting.**
* Extensive experience in designing **MongoDB** multi-shared cluster and monitoring with MMS.
* Experience in designing various integration components using **JMS** and **MQ Series** and worked an **Spring Kafka** and **Zookeeper** apart from **JMS** as a messaging service.
* Expertise in **XML** technologies **XSL, XSLT, XML schemas, XPath, XForms**and parsers like **SAX** and **DOM.**
* Expertise in developing **Service Oriented Architecture** and **J2EE Web Services** based on **SOAP, WSDL, UDDI, JAX-WS, JAXB, JAX-RPC** using tools like **Apache Axis**.
* Experience with application servers like **IBM WebSphere, Oracle WebLogic Server, JBoss** and **Apache Tomcat.** Also worked on **Cloud Platforms** like **AWS** and **Cloud Foundry**.
* Proven experience in writing **Queries, Stored Procedures, Triggers, Cursors**, and **Packages** using **TOAD**.
* Experience in working with various databases like **Oracle 11g/10g/9i, SQL Server 2000/2005/2008, DB2, MySQL, MongoDB** and **Cassandra**.
* Extensive experience in using **Amazon Web Services** like **RDS, EC2, Redshift, Dynamo DB, RDS, Route 53 Cloud Watch** and **S3.**
* Good experience in using **AWS SNS** and **SQS** for delivering messages.
* Hands on experience with build tools like **ANT, Maven** and logging tools like **Log4J**.
* Experience in **Agile software development process, Test Driven Development,** and **Scrum methodologies.**
* Good Experience in using version controls like**CVS, GIT,** and **SVN.**
* Knowledge of build tools like **Ant, Maven, Gradle, Jenkins**with configuring check styles and test coverage.
* Experienced with **Splunk** tool for production support.
* Part of **Scrum, Sprint review, Retrospection** and **Virtual Closure** meetings as a part of Agile.
* Experience in unit testing using **Karma, Junit, Mockito, TestNG** and integration testing using **Continuum, Selenium, Hudson** and **Apache Camel**.

**TECHNICAL SKILLS:**

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| **Programming Languages** | **Java 1.6/1.7,1.8, Unix Shell Scripting, PL/SQL, C, Scala** |
| **Java/J2EE Technologies** | **Servlets, JSP, JSTL, JDBC, JMS, JNDI, RMI, EJB, JFC, Swing, AWT, Applets, Multi-threading, Java Networking** |
| **Application/Web Servers:** | **WebLogic, IBM WebSphere, JBoss, Tomcat** |
| **Frameworks** | **Struts 2.x/1.x, Spring 4.x/3.x, Spring Boot, Hibernate 4.x/3.x, JSF 2.0/1.2** |
| **IDEs** | **Eclipse, IntelliJ, STS, WSAD** |
| **Application and Web Servers** | **WebLogic, WebSphere, JBoss, Tomcat** |
| **ORM Frameworks** | **Hibernate, JSF, IBATIS** |
| **Web technologies** | **JSP, JavaScript, jQuery, AJAX, XML, XSLT, HTML, DHTML, CSS, HTML5, Bootstrap, Angular JS, React JS, Backbone JS, Node JS** |
| **Web Services** | **JAX-WS, JAX-RPC, JAX-RS, REST, SOAP, WSDL, UDDI** |
| **Methodologies** | **Agile, Scrum, TDD, Waterfall** |
| **Modeling Tools** | **UML, Rational Rose, Visio** |
| **Testing Tools and Technologies** | **JUnit, JMeter, HtmlUnit, Jasmine, Selenium, Karma, Jenkins, JIRA, Mockito** |
| **Database Servers** | **Oracle 11g/10g/9i/8i, DB2, SQL Server 2012/2008/2005/2000, MySQL** |
| **Version Control** | **GIT, CVS, SVN** |
| **Build Tools** | **ANT, Maven** |

**PROFESSIONAL EXPERIENCE:**

**Client : UPS, Alpharetta, GA**

**Duration : June 2017 – Till Date**

**Role : Java Full Stack Developer**

**Description:**UPS is a global leader in logistics, offering a broad range of solutions, facilitating international trade, and deploying advanced technology to more efficiently manage the world of business. Rooted in the innovative use of technology, UPS's unmatched global network enables the broadest and most reliable solutions in the industry.**.**

**Responsibilities:**

* Designed and developed code for Exchange project using the **Java EE** platform.
* Involved in doing **AGILE** (SCRUM) practices and planning of sprint attending daily stand-up meetings and sprint retrospective meetings to produce quality deliverables within time.
* Developed screens using **HTML5, CSS, JavaScript, Bootstrap** and used **Angular4** to associate HTML elements to models and components
* Implemented UI components using **Angular4 dependency Injection, Models, data binding,** and **components**.
* Used **Angular4** to provide dynamic User Interface and for the client-side validations.
* Developed **custom Angular4 directives, tags** and integrated with **Spring forms**.
* Developed using new features of **Java 1.8 annotations, Generics, enhanced for loop** and **Enums**.
* Extensively used MVC, Factory, Delegate and Singleton design patterns.
* Used various bootstrap components like accordion, date picker, time picker, alert, buttons and react-bootstrap components.
* Supported Mongo DB database.
* Manage and maintain mongo DB servers across multiple environments
* Used **Spring inheritance, Auto-wiring, ORM modules** as part of the migration from **EJB** to **Spring, Spring Quartz** for scheduling tasks to generating reports and emails to clients.
* Used Spring Framework **AOP** Module to implement logging in the application to know the application status.
* Strong hands-on experience with **Spring IOC, Spring Boot.**
* Used **Maven andJenkins** as a build tool and retrieved all the dependencies required for the application.
* Developed **REST Web Services clients** to consume those Web Services as well other enterprise-wide web services.
* Strong hands-on experience with **Spring IO, Spring Boot.**
* Used Microservices architecture with **Spring Boot** services and interacting through the combination of **REST** and **Apache Kafka** message brokers.
* Experience in re-architecting monolithic architecture service into **microservices** based architecture using **Spring Boot**.
* Implemented **caching** techniques, wrote **POJO classes** for storing data and **DAO’s** to retrieve the data and did other database configurations using **EJB 3.0.**
* Developed **microservices** with **Spring Eureka** to retrieve API routes for the entire cluster. Using this strategy each microservice in a cluster can be load balanced and exposed through one API gateway.
* Implemented **Spring Circuit Breaker** pattern, integrated **Hystrix Dashboard** to monitor Spring microservices.
* Developed **entity beans**, **message-driven beans** and mapping of objects to **database tables** using **Hibernate.**
* Used **Hibernate Transaction Management, Hibernate Batch Transactions,** and **cache concepts.**
* Implemented **Hibernate Template** to great extent making use of **HQL, Named Parameters** and **Named Queries**.
* Designed and developed file upload and file download feature with **Oracle Blob**.
* **Hibernate frame work** is used in persistence layer for mapping an object-oriented domain model to **Oracle 11g** database.
* Done unit testing using **Mockito**.
* Used version control repository **SVN** and **JIRA** for issue tracking.
* Worked on creating custom **Dockerimages,** pushing the images and integration of **Spring Boot**.
* Created the **Docker** containers and **Docker** consoles for managing the application life cycle.
* Performed configuration, deployment and support of cloud services including **Amazon Web Services**.
* Used **Amazon AWS (EC2/S3/EBS)** for prototyping and subsequent evaluation**.**
* Configured **AWS Identity and Access Management** groups and users for improved login authentication.
* Created and maintained **Selenium** Automation Scripts forweb application.
* Involved in deploying and testing the application in **JBoss** application server.

**Environment:** Java 8/J2EE, Spring 4.x, Spring Boot, Spring Quartz, Docker, Hibernate 4.x, XML, Microservices, Angular4, XML 1.x, Java Beans, Hystrix Dashboard, JBoss, Oracle 11g, React, Mongo, JavaScript, REST, Kafka, AWS IAM, Agile Methodology, Spring Eureka, JIRA, SVN, Maven, Jenkins,Mockito.

**Client : UHG, Southfield, MI**

**Duration : April 2016 – May 2017**

**Role : Sr. Java Full Stack Developer**

**Description:** eMedical System is an online application which has been developed at UHG. The objective of the project was to redesign a hospital management system from a thick client-server application to a thin web-based client. The project was designed for the hospital/clinic to manage their patients, their treatments, their results. The redesigned application can now let patients also login to the system to setup/change their appointment, view their treatment plans and pay their bills.

**Responsibilities:**

* Designed **Use Cases, Sequence, Class diagrams, activities, objects,** and **components**. Used UML (MS Visio) for software design.
* Worked extensively on **multithreading, inheritanc**e and used **collections**.
* Involved in developing presentation layer using **Hibernate, Spring Form tags, HTML5, CSS3, JavaScript**, and **Angular2**.
* Designed and developed **XML** processing components for the dynamic display of the menu on the application.
* Used **Java8** features to develop the application with **lambda expressions, streams, functional interfaces** and used default and static methods in **interfaces**.
* Involved in developing **Web Services** using **SOAP** frameworks and created **SOAP Web Services** using **WSDL, XML**.
* Extensively used **Hibernate, ORM** solution technique, to map data representation from **MVC** model with **NoSQL** based schema.
* Used **MongoDB** as a NoSQL for storing JSON data.
* Used **EJB Entity Beans** to map entity objects to relational database tables.
* Worked on creating **XML** and **XSL** extensively as the script logic was completely separated from the UI.
* Worked on **Angular2** to create **components, services** and used **Angular2 filters** to filter the functionality in the search box.
* Involved in analyzing the Maven dependency management in the base code to annotate dependencies on to **Spring Boot** application for **Microservices**.
* Worked on implementing core features of Angular2 framework such as **Dependency Injection, Data binding, Filters, Directives and Deep linking.**
* Used Spring framework to inject services, entity services, transaction management by using factory class.
* Used **Hibernate** to create data layer to perform **CRUD** operations on the database.
* Used **GitHub** as version control tool.
* Involved in developing of application-specific **custom tag libraries**.
* Used **Amazon S3** for data backup regularly and save the snapshots of the data.
* Performed Unit testing, integration testing and generating test cases for the web application using **TestNG, Jenkins,** and **Log4j**.

**Environment:** Java 1.8, Spring Boot, Microservices, HTML5, CSS3, Bootstrap, Angular2, SOAP, Microsoft Visio, Jenkins, Amazon Web Services S3, UNIX/LINUX, NoSQL(MongoDB), GitHub, TestNG, Log4j.

**Client : American National Insurance Company, WaterLoo, IA**

**Duration : Feb 2015 – March 2016**

**Role : Sr. Java/J2EE Developer**

**Description:** American National Insurance Company is a leading insurance organization offering a broad range of insurance products and insurance-related services. ANIC provides insurance protection to more than 5 million businesses and professionals in the US and also internationally. This Project helps registered customers to buy insurance online. It integrates and manages customer login, processes credit cards, shipping information, shopping sessions and various views of products and services up for sale. The complete system was divided into two modules, a website that manages customer login details and an order management system that fulfills purchase order.

**Responsibilities:**

* Involved in **Brain Storming sessions, Daily Scrum meetings, Sprint planning** and estimation of the tasks for the user stories.
* Gathered and clarified requirements with business analyst to feed into high-level customization design, development and installation phases.
* Used design patterns like **Singleton, Factory, MVC, Front Controller, Service Locator, Session Facade** and **DAO.**
* Involved in the front end using **JSP, HTML, JavaScript, AJAX**.
* Developed the web application by using **PrimeFaces** employing **AJAX** at client -side components which enables rich web application content in **GUI's**.
* Worked on Spring modules like **Dependency Injection, Aspect Oriented Programming** and **Spring Mail, Spring JMS and Spring Security**.
* Involved in development of Agent Verification System using **Spring MVC framework**.
* Extensively used **Hibernate mappings, HQL, EHCache, Query, Criteria, Lazy loading Transactions** and**Lockings**.
* Spring AOP is used for **logging, auditing** and **transaction management** to distinguish business logic from the cross-cutting concerns.
* Developed **Batch Rescore Tool** to rescore multiple claims using Multithreading.
* Designed the user interactive web pages using web technologies like **HTML5, XHTML**, and **CSS3**.
* Used jQuery to make the application highly interactive and used JSON objects effectively for efficient client-side coding.
* Designed most interactive web using **AJAX**, **JSON**, **JavaScript**, and **Bootstrap**.
* Used **Spring JMS** to post and consume the messages from the **IBM MQ Server**.
* Worked with **Spring controllers, View Resolvers** and **Model** and **View Objects.**
* Used **Spring Mail** for sending emails to the customers and business.
* Extensively used **hibernate named queries, criteria queries, Hibernate Query Language (HQL)** and **Optimistic Locking** and **Caching** to process the data from the database.
* Implemented **Quartz jobs** for running the batch jobs based on the **cron triggers** configured in the Spring files.
* Involved in deploying and testing the application in **JBoss** application server.
* Used **MongoDB** as a NoSQL for storing JSON data.
* Responsible for continuous monitoring and managing **Elastic Map Reduce cluster** through **AWS** console.
* Implemented validation rules using **JBoss BRMS** (Business Rule Management System).
* Developed unit and integration test cases using **JUnit**, and **Mockito**.
* Used **CVS** as version control software.
* Used **Ant** for building and deploying the Web applications.
* Used **JIRA** tool for tracking stories progress and followed agile methodology.

**Environment:** Java 1.8, Spring MVC, JSP, JMS, Hibernate, HTML5, XHTML, CSS3, Java Script, Backbone JS, AJAX, CVS, IBM MQ, MongoDB, Mockito, Junit, JBoss, Web Services, PrimeFaces, AWS, BRMS, Eclipse, Ant.

**Client : Valley National Bank, Wayne, NJ**

**Duration : Aug 2013 – Jan 2015**

**Role : Sr. Java/J2EE Developer**

**Description:** Securities lending system provides a single, centralized, real-time system for borrowing and lending of securities like stocks, Fixed Income Instrument (T-bill and T-notes). Requests to borrow are routed to specified lenders and associated execution information is returned to the borrower without manual intervention. Securities Lending System has Desktop Client for call center and website for international users. User can specify time limit, rebate rate, collateral type, delivery details, maximum price and books.

**Responsibilities:**

* J2EE deployment on **WebLogic** servers
* Troubleshooting issues that may occur during the test cycle for the **J2EE** applications on **Struts and Spring framework** running on **WebLogic** servers.
* Developed services that are reusable and interoperable, based on **SOAP, WSDL, JAX-WS, JAX-RPC Web services**.
* Well versed in Core Java concepts like **Collections, Swing, Serialization and Servlets & JSP**.
* Developed **POJO** objects and used **Hibernate** as the **Object-Relational Mapping** tool to access the persistent data from **SQL Server**.
* Hands-on writing **Stored Procedures, functions, triggers, DDL, DML SQL queries**.
* Did load testing of **SOAP Web Services** using **SOAP UI** and **Apache JMeter tools**.
* Developed a GUI to help to read the logs generated by the scripts, the GUI was created using flask, D3, jQuery table sorter.
* **GWT** (Google Web Tool Kit) is used to build and develop the **MAT** Application.
* Knowledge of using **Apache Camel** through Fuse Mediation Router.
* Implemented Internationalization using Spring MVC Interceptors and spring core modules.
* Used **Spring validation framework** to implement the server-side validations.
* Effective use of data structures and algorithms to solve complex problems, reducing time complexity and memory usage.
* Used **JMS** (Java Mailing Service) API to mail notifications upon the success or failure when the backend processes are completed and also to send mail notifications regarding any system related problems.
* Developed business components using core java concepts like **Inheritance, Polymorphism, Collections, Serialization, Multithreading,** etc.
* Developed user interface using **JSP** with **JavaBeans, JSTL,** and **Custom Tag Libraries, JS, CSS, Node JS, HTML, SASS,** andAjax to speed the application.
* Prepared and presented **UNIX** production and implementation schedules to the Project Manager and client.
* Wrote **PL/SQL Queries, stored procedures, triggers** and **prepared statements**.
* Responsible for developing the connection pooling for FileNet Server implementing spring framework concepts such as Transaction management and DAO support.
* National level complex problem-solving competition, using JAVA, Data Structures, and Algorithms.
* Implemented **Screen Navigation** using **JQuery** and **Spring MVC**.
* Involved in generating **JAXB** classes from schema files.
* Developed Test classes using **JUnit** and **Easy Mock** and test coverage using **EMMA** plug-in.
* Worked with **Splunk** to logging and analyzing defects status.

**Environment:** Java, J2EE, UNIX, Oracle WebLogic Server, Spring core, JMeter, Spring MVC, Hibernate, JSP, JSTL, SOAP, GWT, Apache Camel, FileNet, Ajax, jQuery, HTML5, CSS, SASS, Splunk, Junit, Easy Mock, EMMA.

**Client : Walgreens Health Initiatives, Chicago, IL**

**Duration : Dec 2010 – July 2013**

**Role : Java/J2EE Developer**

**Description:** Walgreens Health Initiatives (WHI) is the pharmacy benefit management arm of the drugstore giant Walgreen. WHI is part of Walgreen’s managed care division (called Walgreens health Services), it administers the pharmacy benefit programs for millions of help companies lower their health insurance costs. The Retrospective Drug Utilization Review (RDUR) application is a Web based member in the US. Its services include formulary design, disease management programs and mail-order pharmacy services that application responsible for the identification of drug therapy conflicts and the update and stratification of member profiles.

**Responsibilities:**

* Involved in the **design** and **development** phases of **Agile Software Development**.
* Analyzed current mainframe system and designed new **GUI screens**.
* Developed the application using 3 Tier Architecture i.e., **Presentation**, **Business**, and **DataIntegrationlayers** in accordance with the customer/client standards.
* Played a vital role in **Scala framework** for web-based applications
* Used **FileNet** for **Content Management** and for streamlining **Business Processes**.
* Created Responsive Layouts for multiple devices and platforms using foundation framework.
* Implemented printable chart report using **HTML, CSS,** and **jQuery**.
* Applied **JavaScript** for client-side form validation.
* Worked on **UNIX** and **LINUX** to move the project into the production environment.
* Created Managed Beans for handling **JSF** pages and include logic for processing of the data on the page.
* Used **Object Relational Mapping** tool to achieve an object to database table persistency.
* Worked with **Core Java** to develop automated solutions to include web interfaces using HTML, CSS, JavaScript and Web services.
* Created simple user interface for application's configuration system using **MVC design patterns** and **swing framework**.
* Developed web GUI involving HTML, JavaScript under MVC architecture.
* Creation of **WebLogic** domains and setup Admin & Managed servers for JAVA/J2EE applications on **Non-Production** and **Production environments**.
* Involved in the configuration of **Spring Framework** and **Hibernate mapping tool**.
* Monitoring WebLogic/JBoss Server health and security.
* Creation of **Connection Pools, Data Sources** in **WebLogic console**.
* Written Web Services (JAX-WS) for the external system via SOAP/HTTP call.
* Used **Log4j** framework to log and track application.
* Used **Rational Clear Case** for Version Control.

**Environment:** FileNet, HTML, CSS, JavaScript, jQuery, Scala, Java, JSP, Core Java, Spring, Swing, Hibernate, JSF, UNIX, SOAP, XML, IBM WebSphere 6.1, Rational Clear Case, Log 4j, IBM DB2.

**Client : AIG Life Insurance, Hyderabad, India**

**Duration : Oct 2009 – Oct 2010**

**Role : Java/UI Developer**

**Description:** This system provides Patient Administration, Billing and Pharmacy Management functions for the hospital. The Major function of this system is to provide and share the patient health records and access with other insurance companies through SOAP services.

**Responsibilities:**

* Involved in requirements gathering, implementation and setting up the development environment.
* Designed components for company's object framework using best practices and J2EE design patterns such as **Model-View-Controller (MVC),Data Access Object**, Value Object, and Business Delegate.
* Actively participated in the complete life cycle of development, from the design phase to implementation Phase.
* Creating use cases, class diagrams, activity diagrams and collaboration diagrams.
* Responsible for environment setup in **LINUX** environment.
* Played a key role in the development of server-side functionality of handling the requests and responses using Java Servlets.
* Created Data Access Object **(DAO)** which is used by the Hibernate API calls to interact with the database.
* Used **HTML, CSS, JavaScript, jQuery** for designing the UI.
* Designed and implemented Web Services calls for service provider methods.
* Used **Apache Tomcat** as the server to run the application.
* Used **Oracle** as the relational database
* Used **GIT** as the version control repository.
* Developed unit testing using **JUnit.**
* Involved in developing new functionality as per the needs of the users.

**Environment:** JSP, Servlets, Struts framework, MVC, Java Beans, JDBC, Tomcat, Linux, Oracle 10g, JavaScript, HTML, CSS, JavaScript, jQuery, GIT, JUnit.