**Bharadwaj N**

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**PROFESSIONAL SUMMARY**

* Around 7+ Years of experience in Web Application Development & Designing. Proficiency in Java, J2EE and the latest frameworks like JSF, Oracle ADF components.
* Extensive experience in developing various web based applications using Hibernate and Spring frameworks.
* Experience with WEB 2.0 technologies like DWR, Ajax and CSS.
* Strong interpersonal and communication skills with an ability to lead a team and keep them motivated.
* Expertise in Object Oriented Concepts, Object Oriented Design (OOD), Object Oriented Analysis (OOA) Programming.
* Involved in detailed project plan, analysis and design of Architecture specification for MQ Series environment.
* Strong interest in the financial industry, market mechanics, and future digital finance systems. Particular focus on building next generation financial systems and devices using Blockchains.
* Vast experience with Core Java and J2EE using most of the advanced features of Java including JDBC, Spring, Struts, EJB, Servlets, Hibernate.
* Managing the MQ Series messaging environment across multiple environments including installation, configuration, tuning.
* Strong command in JavaScript leading Frameworks Team like Angular.js, React.js, backbone.js, bootstrap.js, Node.Js and Projects UI Designing Team.
* Excellent knowledge and experience in Oracle Database, JDBC, DB2, PL/SQL, MS SQL Server, My SQL Server, Mongo DB.
* Created micro service plugin for Hapi.js service worker to read in info via RabbitMQ message bus in order to create and send SNS messages to AWS SNS topic.
* Introduced RabbitMQ & Elastic Search technologies for performance gains.
* Experience in **Go Lang**. Have done various projects in **Go Lang.**
* Experienced in developing REST web services and Go based Rest clients for consuming the rest services in

**Go Language.**

* Experience in design and development of JUNIT test cases, load balancing and failovers with cache servers and application servers.
* Experience working in various Software Development Methodologies like Waterfall, Agile SCRUM and TDD.
* Expertise in integrated environment for java such as Eclipse, MyEclipse, RAD, NetBeans, ClearCase and VSS.
* Experience in Design, maintain and implementation (in GoLang) of client's Review API.
* Experience in developing and implementing Web Services using REST, SOAP, WSDL
* Good at Documenting and User requirements and System Specifications.
* Hands on UML compliant high level design with data flow diagram, Class Diagrams, Sequence Diagrams, Activity Diagram and Use Cases and documenting for peer developer
* Excellent Leadership, Technical, Communication, Analytical and Problem Solving skills and ability to get on well with people including cross-cultural backgrounds.
* Involved in Test Driven Development. Written automated unit test functions in **GO Lang**to cover the **API** code.

**CORE TECH SKILLS**

Java, J2EE, Spring, Hibernate, Ibatis, Struts, blockchain, HTML, CSS, JavaScript, Angular.js, React.JS, Node.js, bootstrap.js, backbone.js, Go Language, JDBC, RabbitMQ ,C, C++.

**PROFESSIONAL EXPERIENCE**

**Client: Herc Rentals, Bonita Springs, FL Jan 2017– Till Date**

**Sr. Java Developer**

**Accountabilities:**

* Worked on Java/J2EE framework APIs like Spring, iBatis and Hibernate.
* Design, development and testing of web application and integration projects using technologies such as Core Java, J2EE, Multi-threading, Struts, JSP, JDBC, Spring Framework, Hibernate, Java Beans, Web Services (REST/SOAP)
* Designed and maintained databases using Python and developed Python based API (RESTful Web Service) using Flask, SQLAlchemy and PostgreSQL.
* Stream Processing (using Kafka Stream Query DSL) APIs (C++, Go) and Apache Kafka Message Stream Data.
* Use IBM MQ Series to send information from mainframe to web and back to mainframe.
* Plan, install, and verify new MQ Series software versions and service pacs on Windows 2003, UNIX (AIX v5.3) and Linux environments.
* Setup naming standards for the queues managers, queues and channels. Installing and administering MQ Series on various platforms. Defining and maintaining queue managers and MQ objects on windows and Solaris
* Experienced in developing REST web services and Go based Rest clients for consuming the rest services in Go language
* Worked on Ethereum, HyperLedger, Bitcoin or other Block chain technologies and various consensus protocols.
* Review Requirement, develop technical design documents and create a prototype of the critical business application using JAVA/J2EE Initiated use of HttpUnit, Selenium IDE for testing.
* Developed a project that involves Ethereum based Smart Contract using Solidity Language in Visual Studio Code and Power Shell.
* Modified the source code of CockroachDB, an open source distributed NoSQL database written in Go
* Strong understanding of algorithms, data structures, cryptography and data security, and decentralized technologies.
* Involved in successful migration of C based architecture to GO (Go Language) worked in distributed systems and server sided software.
* Setup Tivoli monitoring tool for the OS and MQ series objects.
* Used Docker analysis tools from Docker hub and containerizing those tools.
* Worked on building jquery modules and vue.js apps.
* Test connectivity through secured firewall using TLS1.2 and SHA2 certs. Work with IT to identify and debug issues.
* Successfully integrated and tested Fast QC and Dtox analysis Docker containers into Orange.
* Custom HTML markup was written in combination with Vue.js to stream-line JavaScript development.
* Implemented the annotations to support the APIs for Audit Logging purposes by making configurations in the properties file which routes the logs to RabbitMQ server.
* Implemented asynchronous task processing pipeline using RabbitMQ.
* Patch, Upgrade and keep the PostgreSQL DBs current. Develop and enhance scripts to automate and execute various DBA tasks.
* Implement the migration of 3205 SSL certificates from SHA1 to SHA2 Hash algorithm.
* Migrated REST web services to Kubernetes cluster on AWS by creating fabric 8 files using YAML and JSON.
* Worked on Deploying a Gatling Docker Image into the Mesos Cluster with help of Docker swarm.
* Developed POC for Consul.io, Zookeeper configuration Management tools.
* Used Jenkins and pipelines, which helped us, drive all Microservices builds out to the Docker registry and then deployed to Kubernetes.
* Worked on Internal/External service certificate in IIS servers (Converting certificates SHA1 to SHA2).
* Develop scalable blockchain apps.  Data was bound to the components with MVVM using Kendo and Vue.JS, and was retrieved, created, updated, & deleted using REST.
* Consume blockchain network via gRPC and REST API.
* Created and managed microservices using Clojure.
* Worked on developing Restful endpoints to cache application specific data in in-memory data clusters like REDIS and also exposed them with Restful endpoints.
* Built a scalable distributed data solution using Hadoop
* Microservices were being used as a strategy to gradually replace a core monolithic application while still adding business features.
* Worked with Docker composer and Docker swam.
* Wrote Web services using Apache Axis2 and generated the WSDL.
* Code proof of concept smart contracts and blockchains using Ethereum, and Hyperledger Assist clients in determining to adopt a blockchain or implement a more mainstream datastore.
* Understand and document existing Verizon Wireless legacy customer website code and and create scalable, modular microservices to replace the existing website.
* Worked on end to end testing using Grunt automation and did a client side testing using karma, mocha testing tools.
* Developed the application using Spring MVC to provide Model and View, and URL based responses to different HTTP requests along with implementation of caching Algorithms used for Data Analytics.
* Created real-time dashboard for Executives, utilizing Logstash, Elastic Search, Kibana & Redis.
* Design and develop API-based microservices that integrate with Slack bots.
* Used Redis Cache for high performance, which creates space for new data by removing old data.
* Unit tested complex methods using Mocha-Chai library.
* Involved in creating, publishing and consuming Web Services using JAX-RS API and other technologies like HTTP and REST.
* Developed front end using Angular.js, React.JS, Node.js, bootstrap.js, backbone.js, JavaScript, where back end is java with REST webservice.
* Created a Rich Single Page Application using HTML, CSS, JSP, JSON, Angularjs, React.js, Node.js, bootstrap.js, backbone.js.
* Developing Enterprise Web Application for Cryptography Key Chain Management department.
* Developed application using Angular.JS and Node.JS connecting to Oracle on the backend.
* Used Github repository for version control.
* Used REST WebServices for creating rate summary and used WSDL and SOAP messages for getting insurance plans from different module and used XML parsers for data retrieval
* Consumed Restful Webservices where the transmission of data is in JSON format.
* Designed and Developed REST WebServices to interact with various business sectors and used SOAP protocol for webservices communication
* Agile/SCRUM was used as the project management methodology and JIRA & Confluence were the tools used to keep things in check.

**Background Skills**: Java, J2EE, Spring, Hibernate, JSP, blockchain, Docker , Docker Composer, Angular.js, React.JS, Node.js, Vue.js, Ibatis, Go Language, cryptography, Ethereum, SHA2, HTML, Javascript, CSS, Consul, microservices, WebServices, Redis, PostgreSQL, Mocha, CockroachDB, Junit, Oracle, RabbitMQ, MySql, REST, HTTP, Git, Github, Kubernetes, Agile, UML, CVS, Eclipse

**Client: Vanguard, Malvern, PA Nov 2015– Dec 2016**

**Sr. Java Developer**

**Accountabilities:**

* Involved in multi-tiered J2EE design utilizing MVC architecture Spring, Struts, Hibernate and Websphere Application Server connecting to an Oracle database.
* Implemented Spring ORM wiring with Hibernate provided access to Oracle RDBMS
* Deploy and maintain blockchain network.
* Architect and deployed global Ethereum-derived blockchain and cryptocurrency assets in preparation for ICO.
* Optimize postgresql.conf for performance improvement. Review all PostgreSQL logs for problems.
* Developed and configured the Java beans using Struts MVC and Hibernate.
* Performed downloading & Installed the MQ Series fix packs on Windows and UNIX boxes.
* Experienced in developing REST web services and Go based Rest clients for consuming the rest services in Go Language.
* Responsible for maintaining and developing backend services in Golang.
* Development of Web (Intranet) database-driven and GIS Java/J2EE applications for Oracle databases.
* Leading JavaScript Frameworks Team like Angular.js, backbone.js, bootstrap.js, Node.js.
* Providing a responsive, AJAX-driven design using JavaScript libraries such as JavaScript, jQuery, backbone.js, Node.js AngularJS and Bootstrap.js - Using Subversion for version control.
* Implemented password encryption and hashing techniques using SHA2 and crypto classes.
* Built a cross border payment system on blockchain platform (Ethereum) which can be used to Send and Receive payments that are sent by the participating banks in the network.
* Develop RESTful API for cloud management solutions based on Kubernetes platform, using Java, Ubuntu, IntelliJ, MySQL.
* The lead POC for all things that relate to blockchain architecture, cryptography principles and bitcoin.In an Agile environment, developed new functionalities for a large-scale, high-volume web application using Java, SOAP, REST, Eclipse, JUnit, Spring, and Git.
* Worked on testing and deployment automation with Docker, Jenkins, AWS and Ansible.
* Worked with Database Administration support and troubleshooting, including install PostgreSQL software, patches and upgrades; manage and monitor Tablespaces.
* Wrote and performed client-side and server-side unit testing with Jasmine, Mocha and the Chai assertion library.
* Transitioning to microservices based approach to break huge monolith functionality wise in microservices
* Worked on Functional decomposition of monolithic application to microservices application.
* Worked with architects on formalizing plan to run microservices on cloud.
* Used Celery as task queue and RabbitMQ, Redis as messaging broker to execute asynchronous tasks.
* Built web application using Vue.js and Firebase.
* Wrote unit test scripts for controllers, filters and services using Karma, Jasmine and Mocha.
* Worked in DevOps group running Jenkins in a Docker container with EC2 slaves in Amazon AWS cloud configuration.
* Developed Docker container based micro services using Spring Boot/Cloud and deployment on Kubernetes cluster.
* Implemented Restful web service to interact with Redis Cache framework.
* Cryptocurrency & Blockchain, digital privacy & anonymity, IoT security
* Installed and ran Docker/Composer to provide proof of concepts for migrating our API's, audio assets and station data out of our "traditional" data center and into a hosted AWS environment.
* Designed and delivered innovative transparent cryptography layer for Dojo SQL
* Planned and programmed a work queue system on a NodeJS Server with RabbitMQ.
* Wrote Java programs, performed builds, monitored DB2 data and ran SQL.
* Designed and implemented four Agile Scrum teams for product development.
* Built a RESTful API to save and retrieve geolocations using a remote server in Java using Spring, MongoDB, Apache CXF, and JAX-RS.
* Develop custom drag and drop tree view, web application to transfer and arrange HL7 data using Angular, html5, Vue.js.
* Design and developed of atomic services for nodes interacting with SWIFT, FIX, SOAP, REST and HTTP.
* Technology leadership for the direction of the Cloud based application using Node.JS, PDFJS, Sencha, MongoDB and MS SQL Server integrating to a proprietary framework.
* Creation of REST WebServices for the management of data using Apache CXF (JAX-RS)
* Development work is also done to the legacy system using WebSphere Studio Application Devloper WSAD IDE. The modified application is deployed on websphere using ANT and javascripts for use by interface project.
* Developed automation test cases using Java and Junit on Eclipse application.
* Designed and developed atomic services with nodes communicating using SWIFT, XML and HTTP.
* Extensively involved in the development of backend Logics or data access logic using Oracle DB & JDBC.
* Create webservice component using REST, SOAP, WSDL, XML and XSLT to interact with the middleware
* Created Maven build file to build the application and deployed on WebSphere Application Server.
* EJB components are deployed on the WebLogic Integration with MQSeries using JMS.
* Worked in RDBMS implementation using, SQL, PL/SQL, DB2, MySQL on Oracle database.
* Worked with Oracle RDBMS for writing complex queries and PL/SQL, SQL for Stored Procedures, Triggers and Events, for generating some important responses needed by the application at times.
* Involved in UML Use case diagrams, Class diagrams, and Sequence diagrams using Rational Rose
* Developed interfaces and their implementation classes to communicate with the mid-tier (services) using JMS.
* Performed J2EE application deployment using JBoss application server on Windows and Linux
* Writing JUnit test/Integration test cases for asserting functional quality.
* Designed & Developed Application flow UML diagrams of the application using Rational Rose

**Background Skills**: Java, J2EE, Hibernate, Spring, Struts, JDBC, blockchain, Servlet, Docker, Docker Composer, Angular.js, Node.js, bootstrap.js, backbone.js, Vue.js, HTML, CSS, JQuery, Ethereum, Javascript, Redis, Mocha, GoLang, PostgreSQL, microservices, SHA2, React, CockroachDB, MongoDB, MySQL, RabbitMQ, Kubernetes, REST, HTTP, Linux, Git, Scrum, Subversion SVN, UML, Class diagram, JSTL, Maven

**Client: Bank One, Chicago, IL June 2014- Oct 2015**

**Java Developer**

**Accountabilities:**

* Deployed this application which uses J2EE architecture model and Struts Framework first on Weblogic and helped in migrating to JBoss Application server.
* Worked in Java, J2EE, XSL, XML, Oracle, DB2, Struts, spring, Hibernate, REST Web services, Model driven architecture and software configuration management tools.
* Developed Application based on J2EE using Hibernate, Spring, JSF frameworks and SOAP/REST web services, Web Sphere Integration Developer (WID) Tool to develop WPS components.
* Used JSF messages for handling the error messages for the applications
* Preparation of the framework classes for communication between portal to EJB and Hibernate
* Used Spring for cross cutting concerns and IOC for dependency injection.
* Worked on the MySQL migration project to make the system completely independent of the database being used. Used Spring IBatis to implement this.
* Prepared statements are used for communication with MySql database
* Involved in developing custom taglibs, JSP, EJB's, JQuery, Portlets and DB2 - stored procedures.
* Used TOAD for all database query testing and optimizations.
* Developed Dash-Board to monitor and report Cache Coherence Servers.
* Worked on multiple projects based on Oracle ADF framework and Oracle WebCenter
* Implemented CSS3, DOM Api, DOJO and Ajax to create a dynamic and interactive experience.
* Used J2EE based App Servers like Jboss WebSphere Weblogic and Web servers like Apache Tomcat
* Integrate the Oracle BPM with the Spring Framework in the enterprise layer.
* Used Ant for developing build scripts and deploying the application onto WebLogic.
* Deployed the application on Apache Tomcat
* Created packages for Transforming and Loading of Data from Sybase, Oracle to MS SQL Server by using SQL Server Integration Services
* Involved in designing the user interfaces using JSF, Marionette.js, Swing/AWT, JSON, Java Script and HTML5, Bootstrap and Backbone.js, Flex, ASP and Extjs.
* Used JDBC, JavaScript, Servlet, and JDBC and used SQL Server for backend. Interaction with business users to gather requirements.
* Developed web presentation layer using jQuery, JavaScript, HTML and CSS according to internal standards and guidelines.
* Design and development of components, such as Class, and Sequence diagram in UML.
* Design of the process flow in Oracle BPM and jBPM to evaluate the difference between the behavior of different BPM tools
* Used Netbeans for development and WebLogic Application Server for deploying the web application.
* Rewrote code for enabling download as .pdf with new iText library for Java
* Worked with Rational ClearCase to provide sophisticated version control, workspace management and parallel development support. Build and maintained a Selenium Regression test suite.
* Involved in Requirement analysis, design and Implementation applying the Water fall model.
* Wrote Servlets programming and JSP scripting for the communication between web browser and server.
* Using JIRA to manage the issues/project work flow
* Involved in writing Spring Configuration XML, file that contains declarations and business classes are wired-up to the frontend managed beans using Spring IOC pattern.
* Working Closely with EMC Documentum to implement Engineering Design Storage Repository and Project Document Management.
* Wrote complex sql statements to retrieve data from the DB2 database.
* Used JBoss application server to deploy application into Production environment.
* Configuring and analyzing JCL to execute mainframe batch.
* Performed J2EE application deployment using JBoss application server on Windows and Linux.
* Use IBM MQ Series to send information from mainframe to web and back to mainframe
* Build code using IDE IntelliJ and deploy it using Apache Tomcat.
* Created directory structure flow using UNIX to receive and send data to internal and external systems.
* Developed code usinf C, C++ for secure transaction.
* Involved in packaging, deployment and upgrade of different modules of SAS on JBoss App Server. VB code Analysis and Sybase store procedure converted into SQL

**Background Skills**: Java, J2EE, Spring, Struts, JSF, JSP, EJB, DOJO, JQuery, Sencha ExtJS, JavaScript, GWT, MySQL, TOAD, SQL, DB2, coherence, APACHE AXIS2, Tomcat, WSDL, JBoss, Netbeans, Jasper report, Unix, Mercurial, ClearCase, Selenium, Water Fall Model, Jira, Swing, Cognos, iLog, JRules, Oracle ADF, Oracle BPM, Web 2.0, Linux, IBM MQ Series, Ruby, Z, ASP, C, C++, Mainframe, COBOL, PL/I, JCL, SQL, SAS VB

**Client: Comcast, Herndon, VA May 2013- May 2014**

**Java Developer**

**Accountabilities:**

* Integrated Hibernate ORM with Spring-Hibernate framework to facilitate DML and DQL queries and represent object-database mapping.
* Involved in transforming the Use Cases into Class Diagrams, Sequence Diagrams and State diagrams.
* Involved in development of Web Services, creation of WSDL and schemas.
* Extensively participated on working with Spring framework. Involved in writing JSP and Servlets.
* Involved in development of Web Services, were developed to receive client requests.
* Implemented Spring JDBC template, Spring Exception Strategy and AOP.
* Involved in setting up WebSphere Application server and using Ant tool to build the application and deploy the application in WebSphere Application server.
* Worked with the creation of Store Procedures. Involved in writing SQL queries, Stored Procedures to accomplish complex functionalities.
* Part of team creating quality working J2EE code to design, schedule, and cost to implement use cases.
* Developed Reusable classes in the middleware using Hibernate.
* Involved in writing lots of JSP for maintains and enhancements of the application. Worked on Front End using Servlets and also backend using EJB and Hibernate.
* Worked on Presentation Layer using Struts Tiles, JSPs and Servlets.
* Created quality working J2EE code to design, schedule, and cost to implement use cases.
* Setting of DB2 build settings in RAD application development server.
* Involved in writing the database integration code using Hibernate.
* Creation of managed server and JDBC connections.
* Worked on the application using Rational Application Developer. Designed & Developed Application flow UML diagrams of the application using Rational Rose.

**Background Skills**: J2EE, Java, JSP, Servlet, JDBC, JavaScript, Struts, Hibernate, JUnit, HTML, JavaScript, WebSphere Application Server, WSAD, Oracle, TOAD, Spring, WSDL, Axis , tcpmon, Ant, WinCVS, Windows'XP, Aix-Unix.

**Client: KMG Group, New Delhi - India June 2010 - Dec 2012 Role: Software Developer**

**Accountabilities:**

* Worked with Spring Batch Used Spring ORM module to integrate with Hibernate.
* Developed the modules of Purchase Request, Purchase Order, Item Master modules.
* Involved in the Enhancement of Summarization module.
* Developed the web pages using JSP, CSS and HTML
* Developed the RTM interface module to map the requirements to the test-case and Test design modules   
   Generic Tree Navigation control).
* Used several J2EE Design Patterns (Session Façade, Aggregate Entity) for the Middle Tier development.
* Developed EJBS (Session and Message-Driven Beans) in (RAD) for handling business processing, database access and asynchronous messaging.
* Made extensive use of Java Naming and Directory Interface (JNDI) for looking up enterprise beans.
* Developed Message-Driven beans in collaboration with Java Messaging Service (JMS).
* Involved in writing JSP/HTML/JavaScript and Servlets to generate dynamic web pages and web content.
* Wrote various stored procedures in PL/SQL and JDBC routines to update tables.
* Wrote various SQL queries for data retrieval using JDBC.
* Involved in building and parsing XML documents using SAX parser.
* Exposed business logic as a web service and developed WSDL files for describing these web services.
* Extensively used SOAP formatted messages for communication between web services.
* Developed the application on IBM WebSphere Application Server.
* Developed the plug-in interfaces for the TMS features (TEE, Requirements, Version Control)
* Developed Form Beans, which are used to store data when the user submits the HTML form
* Coded various Java beans to implement the business logic
* Development of GUI using AWT  Involved in creating the tables using SQL and connectivity is done by JDBC
* Involved in generating the reports regarding the marks they secured in the online test once they press the submit button in the test using HTML and JSP.
* Apache Tomcat is used as an Application Server to Deploy the Application.

**Background Skills**: J2ee, Java, Jsp, Servlet, Jdbc, Struts, Junit, Log4j, Javascript, Dhtml, Websphere Application Server, Axis, Wsad, Xml, Xslt, Ant, Sql, Sql Query Analyzer, Jprobe, Cvs, Opprox Reports, Windows'xp, Unix-Ibm Aix.

## **Skills:**

ORACLE (7years), SQL (8 years), WEBSPHERE (7 years), MYSQL (7 years), DB2 (6 years)

## Additional Information

**ADDITIONAL TECH SKILLS**

* Oracle, SQL Server, MySQL, PostgreSQL, DB2, Go, JBoss, CockroachDB, WebSphere, Tomcat, Eclipse, Flex, RSA, NetBeans, Windows, Linux , Mac OS X, Unix.
* MQ Series Family : WMQ, WMB, Workflow, WebSphere Application Server