**Rajesh Bandi**

**248-325-4486**

* **Over 6 years** of professional experience in design, analysis, development, deployment and testing of web and distributed n-tier applications using Java in different domains.
* Experience with advanced front-end technologies like Bootstrap UI, Bootstrap modal, HTML 4.0, XHTML, DHTML, JSON, jQuery, CSS, XML 1.1. Proficient in building multi-browser compatible Web User Interface (UI) following W3C Web Standards.
* Expertise in building high performance core java applications **utilizing multi-threaded programming (thread pools, semaphores, mutexes, thread locals, re-entrant locks, wait/notify, latches, deadlocks, preventing read-write interference amongst threads/processes, etc.**).
* Experience with various J2EE design patterns like Singleton, Command, Factory, Observer, Front Controller, DTO, DAO, MVC, Session Facade, Business Delegate, Service Locator, Transfer Object, and View Object in the development of enterprise applications.
* Strong hands on experience in developing the Enterprise and Web applications in n-tier architecture using various open source frameworks: **Java/JAVA EE, Servlets, JSP**, **Spring Framework, Spring (MVC), Spring (AOP), Spring Batch, Hibernate, web services (REST/SOAP), JMS, JPA, CXF, and SLF4J.**
* Extensively worked on implementing SOA (Service Oriented Architecture) using SOAP based Web services using XML, WSDL, UDDI and XML Parsers. Experience in distributed architectures, strong OO background, SOA, web services and messaging paradigms.
* Experience with working knowledge of HTML, AngularJS, **GWT**, JavaScript, AJAX, and other Web-based technologies
* Proficient in **TCP/IP and UDP based network programming (sockets, datagrams and multicasting) in Java.**
* Experience working with **Java NIO (**vectored I/O, memory mapped I/O, non-blocking sockets, etc.).
* Experience in identifying **Java garbage collection issues and tuning JVM parameters for high throughput or low latency**.
* Experienced in database design, data analysis and development in**MYSQL**, **PostgreSQL**,**DB2, Oracle, and writing SQL, PL/SQL, Stored Procedures, Functions, Packages and Triggers.**
* Good knowledge on Hadoop ecosystem (HDFS, Map Reduce, AWS) and Big Data.
* Hands on experience working with NoSQL systems like **MongoDB, Pig, Hive, Dynamo DB and knowledge on Cassandra, Storm, Kafka,Cloudera.**
* Experience in implementing OAUTH2 and SAML federation token based authentication/authorization models using **Spring security**.
* **Experience in using AWS Java SDK , AWS Compute, Network, Storage, Database and Application Services.**
* **Experience in using AWS storage options like EBS, Provisioned IOPS, S3 and Glacier.**
* Experience in using AWS management and deployment facilities like CloudWatch, Elastic Beanstalk, Cloud Formation, Virtual Private Cloud and OpsWorks.

**Education:**

* Bachelors in **Computer Science** from JNTU, India**.**

**Technical Skills**

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| Languages | Core Java, JavaScript, C |
| Java EE Technologies | **Java 1.7/1.8, JSP, Servlets**, **Spring(MVC, Core, Data, JDBC, Security), Web Services(SOAP & REST), Log4j 1.4, Xml, Linux, script, JAVA EE 1.5 and 1.6,** EJB, Axis, BPEL, WSDL, JAX-RPC, JAX-RS, JAX-WS, JAXP, JAXB, XML-RPC |
| Web Technologies | **HTML**, DHTML, XSLT, **Java Script**, ICEFaces,Ajax, **JQuery, AngularJS, Bootstrap**,  **GWT, GXT** |
| Databases | ORACLE 9i, 10g, 11g, Postgres, MYSQL |
| BigData/NoSQL Technologies | **Cassandra, MongoDB, Kafka, Elastic Search, Redis Cache, Spark and Storm** |
| Cloud Technologies | **Amazon (EC2, S3, Elastic Cache, Elastic Search, SNS, SQS, Cloud Formation, Elastic Beanstalk, IAM), Cloundfoundry** |
| Application/Web Servers | Apache Tomcat, Jetty, JBoss, Web Logic, Web sphere |
| Frameworks | Spring2.5,Struts,Casper(J2EE)**,**XFactor(J2EE),Hibernate3.0,Sencha |
| Development Tools/  Version Control | **EclipseIDE** Toad, SQL Developer, XML Spy, Rational Suite(Rose, Clear Case, Clear Quest), SOUP-UI, MS Visio, SVN, **Maven, Gitand Jenkins** |

**Client: AT&T MPLSMon , New Jersey Sr. Technology Consultant**

**Project: SDN Monitor Feb 16- till date**

SDN-Monitor is a framework that would be used to monitor data plane connectivity. SDN-Monitor will be deployed on selected Compute Nodes connected to the C-Leaf, and will allow us to validate connectivity to remote ends of the data plane across the Service Assurance VPN (SA-VPN).  For this to be supported, one SDN-Mon instance will validate connectivity to another SDN-Mon instance, if that is available, or to a remote L3 IP Address configured within the context of the SA-VPN.  A lack of response to the SDN-Mon validation test will be interpreted as a possible connectivity failure across the fabric (gray failure) that might in-turn impact customer traffic flow across the same two end-points.

**Responsibilities:**

* Created Single Page Application with loading multiple views using route services and adding more user experience to make it more dynamic by using Angular.js framework.
* Involved in analyzing the requirements, Design, Code development and unit testing.
* Developed server side Linux based Java systems that interface with Enterprise Class Layer 2-3 SDN/NFV Network Devices, with a good application of IP Networking, network concepts, TCP stack, routers/switches.
* Worked on monitoring and performance management tools/protocols including SNMP**, Rest API, NetFlow, IPFix, JVision, Telemetry**.
* Maintain expertise in developing and testing Java solutions and implementing J2EE architecture**, web services, MySQL, Google Web Tool Kit, and AngularJS.**
* Developed **application gadgets** with web technologies like, **HTML, Java Script, AnjularJS GWT and GXT**
* Experience in DevOps tool chains and with cloud technologies like **Docker, AWS, and Cloud foundry**.
* Developed application specific **Restful API’s** leveraging distributed **storage technologies like Apache Kafka, Amazon S3.**
* Developed **REST API’s** using **spring(MVC, boot**, security, and data) andhosted them on AWS, used Elastic Beanstalk to setup application and configured **Jetty/Tomcat** environments.
* Published **REST API’s** to fetch data from **Elastic Search clusters** for client based applications by using **multi-field indexes.**
* Designed, developed, and deployed a **multitude applications** utilizing **AWS stack (EC2, RDS, Elastic Beanstalk, S3, SNS, SES and SQS).**
* Written **maven scripts** to build, package, and deploy application code to application/Web Servers.
* Worked on Jenkins, which is an open source tool to perform Continuous Integration (building, testing and deploying) of java projects.
* Used **Kafka streams as a message-bus and developed data pipelines to ingest data to NoSQL data-stores like Cassandra.**
* Developed **persistence API’s that can store data synchronously and asynchronously to Cassandra** data-store with batching.
* Worked on integrating **Spring with the Elastic Search** and developed API’s to read and publish data from **elastic search cluster** using **native Java transport** client as well as **REST client**.
* Worked on developing API’s and hosted them on AWS, created a data set & API’s (using S3 from Amazon as storage) with the ability to store and pull useful data, and do auto-scheduling & analysis.

**Environment: Java 1.7/1.8, JSP, Spring, Web Services(REST), RabbitMQ, Hibernate, Log4j 1.4, Maven, Xml, Postgres, MySQLWeb Strom, Linux, JQuery, Java script, Jenkins, JMS, Elastic search, SOLR**

**Client: UnitedHealth Group, Southfield, MI Sr. Java Consultant**

**Project: POLARIS JUN 14 – JAN 16**

UHC (United Health Care) is implementing the program "POLARIS" with its subsidiary OPTUM for the Healthcare Clients ACET, UPM and ICET. This is an integration project so that the Health Providers can have access to all of the patient data. All the patient data will be stored in a big data lake like Hadoop and it will be used by downstream systems. Downstream claim processing system will relate the claims data of a particular provider with the patient information and process the Medical and Dental Claims.

**Responsibilities**

* Involved in analyzing the requirements, Design, Code development and unit testing.
* Developed and consumed SOAP/Restful Web Services using XML and JSON message formats.
* Developed **REST/SOAP** based web Services as API using spring and deployed on **Jetty/Tomcat** containers.
* Developed security module for this application using Spring security and implemented Oauth2 token-based authentication/authorization model.
* Implemented CSRF and OAUTH2 security models using spring security and filters.
* Worked on building application caching layer using **EHcache** and integrated with **Spring JDBC**.
* Improved the performance of the application by having a caching layer using **REDIS Elastic Cache.**
* Used service bus and message queues to integrate with EMR and clearing houses to submit claims, applied right integration design patterns.
* Used **AWS** as the hosting environment and followed a cloud based design with NoSQL database (**Cassandra**)
* Published REST API’s on Elastic Search clusters to search patients and claims by multi-field indexes.
* Designed and developed **event based framework** using **Kafka distributed messaging** with custombinary message protocol.Leveraged a cascade of **producer-consumer processing chains to parallelize claim processing.**
* Integrated **elasticsearch** and developed powerful search engine by building complex queries using **elasticsearch** Java API.
* Working on bug fixing and enhancements on change requests using Agile methodology.
* Worked on writing Shell Scripts and used Git, Jenkins and maven for making builds and deployments of the application components.
* Involved in designing various Restful controllers using Spring Rest and other reusable components.
* Infrastructure setup on AWS/on demand cloud with app servers, web server, load balancing, monitoring.

**Environment:** Java 1.7/1.8, JSP, Spring, spring Boot, Web Services(REST), **Kafka**, Hibernate, Log4j 1.4, Maven, Xml, Postgres, MySQL Linux, JQuery, Java script, Angular.js, Ajax, Json, Jenkins, JMS, ESB Mule, **Cassandra, Elastic search, Elastic Cache(REDIS)**.

**Client: HOLCIM, Dundee MI Java/J2EE Developer**

**Project: ePOD NOV 12 – MAY 14**

EPOD (Electronic Proof of Delivery) which manages delivery management of company that allows drivers to use the mobile application for the latest deliveries. And customer support team can manage the deliveries on the backend.

**Responsibilities:**

* Involved in analyzing the requirements, Design, Code development and unit testing.
* Implemented and integrated Spring Framework.
* Worked on Spring framework for dependency injection, transaction management and AOP.
* Designed and coded Business Classes using Spring IOC and AOP features.
* Created connections to database using Hibernate session Factory, using Hibernate APIs to retrieve and store data to the database with Hibernate transaction control.
* Involved development of front-end components using JSP, JavaScript, and Java.
* Designed and developed all components JSP, controller, spring configuration, and DAO and Hibernate configuration for various modules.
* Interpreted and manipulated Spring and Hibernate configure files.
* Developed and Refracted the Action Servlets and JSPs using Spring following MVC architecture.
* Used the JNDI for Naming and directory services.
* Used Hibernate framework for back end development and Spring dependency injection for middle layer development.
* Design and developed Webservices client to send service requests to Webservices.
* Web UI development using HTML, CSS and JavaScript.
* Developed User- Interface screens involving Servlets, JSP, JavaScript and XML DOM parser.
* Used JSON as response type in REST services.
* Implementation of XSLT processing on server with JSP and WebSphere.
* Wrote Database objects like Triggers, Stored procedures in SQL.
* Used Spring MVC framework controllers for Controllers part of the MVC.
* Application was designed and developed using the Spring framework
* Implemented various Java design patterns like Front Controller, Service Locator, Business Delegate and Data access Object, Factory Pattern, Session Façade, etc.
* Created user-friendly GUI interface and Web pages using HTML and DHTML embedded in JSP.
* Managed Object Persistence, Data retrieval using Hibernate, Spring Framework with SQL Server as backend.
* Developed various test cases and performed unit testing using JUnit.
* Implemented Maven as build and configuration tool
* Used SVN repository for version control

**Environment**: Java, J2EE, JSP, JNDI, JDBC, AJAX, HTML, Servlets, WebSphere Application server, JMS, UML, Rest Webservices, Hibernate, Spring, CVS, XML/XSL, SQL Server, Agile, Junit, Maven, SVN.

**Client: Tata Capital Limited, Mumbai, IND Java Developer**

**Project: Payment Management System JUN 11 – OCT 12**

Payment Management system involves simplification of purchase procedure of the company by using appropriate project management tools. Worked on tasks like quotation generation, invoice and receipt generation.

**Responsibilities**:

* Designed the system with OOAD methodology using various design patterns like factory method, Singleton, Adaptor, Template etc.
* Designed and developed user interface using front-end technologies like JSP, HTML, CSS, JavaScript, JQuery and AJAX.
* Wrote request handler methods in the Spring MVC controllers.
* Developed business layer using Spring and Hibernate architecture.
* Configured the Spring framework for entire business logic layer with XML bean configuration files.
* Used Spring IOC for Dependency Injection
* Published and consumed SOAP Web Services for transferring data between different applications.
* Wrote Controller classes in Spring MVC framework in the web layer.
* Used Eclipse for building, developing and integrating the application.
* Developed DAO service methods to populate the domain model objects using Hibernate.
* Used java collections API extensively such as Lists, Sets and Maps.
* Wrote and tested Java Beans to retrieve trading data and subscriber's information from MySQL database server.
* Used SVN version control to track and maintain the different version of the project.
* Designed Unit test plans and developed JUnit cases
* Configured Log4j for logging and debugging.
* Deployed the applications on WebLogic Application Server.
* Build the applications using ANT tool.

**Environment**: Java, J2EE, Spring, Hibernate, WebLogic, JMS, Servlets, Eclipse, XML, JSP, HTML, CSS, JavaScript, JQuery, AJAX, SOAP Web Services, MySQL, PL/SQL, ANT, UML, JUnit, Log4j, SVN, Windows.