**Rahul Kumar**

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# SUMMARY

* Having 8 years of experience in **Object Oriented** Designing, Developing, Implementation and testing in Client/Servers e-business applications using **Java & J2EE** Technologies.
* Good exposure to all phases of **SDLC** process, including system use case, functional & technical specification documentation based on business requirements.
* Used Core **Java 6, Java 8, J2EE, JSP, JDBC, RDBMS, Java Script, JQuery, Ajax, XML and Chordiant 5.6**, using Oracle 11g as database J2EE platforms on Windows, UNIX.
* Experience in developing modern web applications using **Angular 2/4/6, Node.js, React.js, Express.js Vue.Js and Mongo DB**.
* Review design documents with stake holders and collect approvals
* Excellent Knowledge of Object Oriented **Analysis** & **Design** using **UML**.
* Good experience with **RUP**, **Agile** methodologies.
* Experience implementing **SOA**, **WebService** applications.
* Strong Experience in developing the application using frameworks like **Struts**, Java Server Faces (JSF) and **Spring** frameworks Worked on maintaining the persistence using **Hibernate**, JPA ORM.
* Experienced in implementing presentation layer using **JSF**, **JSP,** **HTML**, **CSS**, **JQuery**, **JavaScript,** **AngularJs, ExtJs, JSON** and Servlets.
* Proficiency in developing web services(**Soap, Restful**) that include several components like **SOAP, WSDL, XML,XSD, Axis2, JAXB, JAX-RS and JAX-WS**. Also Developed SOAP web services using **Apache CXF.**
* Experience deploying applications on Apache Tomcat 6 Web Server, BEA Weblogic 8/9/10, Websphere 5.0/6.0 application server environments.
* Maintained Interface compatibility and concurrency in the project using **Java 8** new features like default, static methods and Concurrency API.
* Used **Java 8** Method References feature to point to methods by their names and used functional Interfaces.
* Designed and developed multiple **J2EE™ Model 2 MVC** based Web Application using J2EE™ Technologies, Patterns and popular open-source framework **Struts, Spring MVC, Spring, JPA and Hibernate**.
* Experience with Software designing and modeling using UML on **Rational Rose** and **Enterprise Architect**.
* Hands on experience in deployment of **J2EE** applications on **JBoss , Tomcat, IBM Web Sphere** and **WebLogic** Application **Servers.**
* Good experience maintaining the project in IBM Rational Clear Case, **SVN**, CVS, StarTeam version control repositories.
* Developed **Cloud** Compatible **Microservices using Spring Boot, java and related web technologies**
* Used **Spring Boot** which is radically faster in building cloud **Microservices** and develop Spring based application with very less configuration.
* Experience in building an application using the **Alfresco** content application server.
* Experience in using XML based technologies and parsers DOM, SAX, JAXP, JAXB.
* Good knowledge in Python and Hadoop, HDFS, MapReduce, Hive, HBase, Flume.
* Experience in database design, **NoSQL** , data modeling and developing stored procedures, functions and triggers using **SQL plus, SQL developer** in **Oracle 9i, My SQL and DB2**.
* Created **REST APIs** by using spring, exposed them from my existing system so that it is consumed by other application.
* Experience in administering cloud tools **Amazon Web Services (AWS),** Microsoft Azure.
* Experience in several agile frameworks like Scrum, XP, Using **TDD** and **ATDD** approach.
* Experience in writing test-cases in **Java** environment using **JUnit, Mockito and Powermock**.
* Experience in managing the build files using **ANT** and **Maven.**
* Experience in using the **Log4j framework** for Logging Java Application.
* Experience in developing, designing in **UML, Package, Class and State Diagrams.**
* Well versed with Core Java concepts like **Collections, Multithreading, Serialization, Java Beans** and **Network programming**.
* Used **Jenkins** to perform continuous integration and continuous deployment. Implemented new features using **Groovy** programming language as a part of Jenkins continuous delivery.
* Experience in **Log4J**, **SLF4J** for extensive logging, debugging and error tracing. Used **JIRA** as a bug tracking tool.
* Developed **Microservices** as a monolithic application to gain increased decoupling, separation of concerns and fast deployment using **Spring Boot** with **Spring Data and Spring Security**.
* Used **AWS** to deploy the projects on **EC2 instances** and create snapshots for the data that must be stored in **AWS S3.**
* Configured the **Docker** Containers and creating **Docker files** for different environments.
* Designed and Developed web pages using the **HTML**, **XHTML**, **CSS**, **JSTL**, **JSF** **/ Prime** **faces**, **AJAX**, **Java** **Script**, **AngularJS**, **BOOTSTRAP**, **Node JS** and **jQuery**.
* Developed **Single Page Applications** using **AngularJS**, **Node JS** and **Express** **JS**. Good understanding of server-side CSS preprocessors, such as **LESS** and **SASS**. Experience with using web tools like **Bower (package manager**), **Grunt and Gulp (Task automation).**
* Excellent communication, problem-solving, interpersonal, organizational skills.

# CERTIFICATIONS

* Sun Certified Programmer Java SE 5
* Oracle Certified Expert, J2EE 6, Web Component Developer

# Education

Bachelors in Engineering in Information Technology, GTU, India.

# SKILLSET

|  |  |
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| **Platforms** | Windows 2000/NT/ XP/Vista and Sun Solaris 2.8/2.9, UNIX |
| **Programming** | JDK 1.5, 1.6, 1.7,1.8, C, C++ |
| **Server Scripting** | JSP1.2,2.1, JSP-EL, JSTL, Custom Tags |
| **Client Scripting** | JQuery 1.8,1.9, JQueryUI, Dojo, ExtJS, Javascript, CSS2, CSS3, HTML4, HTML5, NodeJS, AngularJS 2, 4.1, VueJS, ReactJS, React Flux |
| **Java Frameworks** | Struts 1.2, Struts 2.1, Spring MVC,DI, AOP, JSF 1.1, JSF 2.1, GWT, Vaadin |
| **Database Tools** | Toad for Oracle, Toad for MySQL, Toad for DB2, Toad for MS-SQL, ERWin, Altova Database Spy, MySQL Workbench,  |
| **Databases** | DB2, MS-SQL Server, HSQLDB, PostgresSQL, MySQL |
| **Middleware Specifications** | EJB 2.1, EJB 3.0, CORBA, RMI, JMS |
| **Version Control** | Tortoise SVN, Rational Clearcase, Accurev, GitHub, CVS |
| **IDEs** | Eclipse 3.0, 3.1, MyEclipse 4.1, IntelliJ, Netbeans, JBuilder 2007, JDeveloper. |
| **Build Tools** | ANT 1.7,1.8,1.9, Maven, Gradle |
| **Continuous Integration** | Jenkins, Hudson |
| **XML Tools** | Altova XML Spy 2005,2008 |
| **XML Technologies** | XSLT, JAXP, JDOM, SAX, DOM, XPATH, XPOINTER, XML, XSD,DTD |
| **Webservice Specifications** | UDDI, WSDL, JAX-RPC, JAX-RS JAX-WS, Axis, jersey, Amazon Web Services (AWS), Microservices |
| **Webservice Tools** | SoapUI 4.0,5.1, TcpMon |
| **Webservice Implementations** | Axis 1.0,2.1, JWSDP2.1, Sun Metro, Sun Jersey, Apache XFire, Apache CXF |
| **Whitebox Testing** | Junit 3, Junit 4, DBUnit, JUnitPerf, HttpUnit, LoadTest, TimedTest, Selenium, Fitnesse, EasyMock, PowerMock, JBehave, FItnesse |
| **Blackbox Testing** | JMeter, LoadUI, LoadRunner, HP Quality Center, WinRunner, Selenium |
| **Application Servers** | Weblogic 8.1, 10.0, Websphere 6.1, JBoss 4.0, Glassfish 4.0 |
| **Web Servers** | Tomcat 5.0,6.0,7.1, Joans |
| **UML Tools** | Altova UML Model, Rational Enterprise, MS Visio |
| **ORM Fra ORM Frameworks** | Hibernate 3.0,3.1,4.1, TopLink, OpenJPA, iBatis |
| **Defect Tracking** | JIRA, Bugzilla, Rational ClearQuest |
| **Methodologies** | Agile (XP, Scrum), Rational Unified Process(RUP), Waterfall, Kanban, Test Driven Development(TDD) |
| **Reporting** | iReports, Jreports |
| **Batch Jobs** | Quartz Scheduler, Cron, Spring Batch |
| **HTML Editors** | MS-Frontpage 2003, Adobe Dreamweaver, Coffee Cup HTML |
| **Templating** | Velocity, Freemarker |
| **Client Testing** | Protractor, Jasmine |

# PROFESSIONAL EXPERIENCE

**Liberty Mutual, Dover, NH Jan 19 – Till Date**

 **Sr. Full Stack Java Developer**

#### Responsibilities

* Involved in developing Webservice operations in Service Oriented Architecture (SOA).
* Analyze requirements with team, write High Level design documents, System Use Case, analyze risk factors.
* Followed agile methodology during complete SDLC process.
* Participated Agile/Scrum development and deployment teams.
* Used Spring Framework 4.1 for the application development.
* Responsible for Web UI development in **JavaScript** using **jQuery, AngularJS, and AJAX**.
* Used Spring for bean instantiation, annotations, controllers, request mapping to handle the webservice request and response.
* Utilized **Java 8** features like Lambda expressions and Stream API for Bulk data operations on Collections which would increase the performance of the Application.
* Have also worked on **Java 8** along with Cold Fusion.
* Involved in front end development using Struts, JSP's, JSF and JSTL.
* Used JAXB for marshalling and unmarshalling of work order, billing XML documents, and JAXP for processing.
* Developed **REST Web services** to make web service calls simple and easy for the client to access it with the help of standard HTTP URIs.
* Developed DAOs using **JPA, Hibernate** persistence API for the database operations to interact with Oracle Database.
* Designed entire framework to support **Test Driven development (TDD)** by making use of Dependency Injection through unity framework and developed a generic repository.
* Developed web service client using Spring Framework and REST HTTP protocol to get customer credentials and information.
* Responsible for creating efficient design and developing User Interaction screens using HTML, CSS, JavaScript, JQuery, AJAX and JSON.
* Implementing **JSP Standard Tag Libraries (JSTL)** along with **Expression Language (EL).**
* Creating custom, general use modules and components which extend the elements and modules of core **AngularJS 4**.
* Used **AngularJS** as the development framework to build a single-page application and reusable **AngularJs** applications.
* Conducted complete review of designs and specifications for all assigned IVR applications.
* Implemented first-hand the best/worst practices for integrating **Microservices** into existing system architecture.
* **Microservices** were being used as a strategy to gradually replace a core monolithic application while still adding business features.
* Worked with **VUE JS** Forms, Validations, Modules, Components, directives, controllers and HTTP Request.
* Worked on **Vue.js** events distribution and parent chain for parent-child component communication.
* Manipulated DOM, handled events and applied animation effects with Vue.js.
* Templating engine for emails and reports was Freemarker.
* Integrated with third party Sale point API to make restful webservice call.
* Designed and developed necessary PL/SQL for the database operations as needed.
* Involved in deployment of the application at various environments (Development, QA Testing, Staging, and Production).
* AWS EC2 instances were configured in dev and qa environments with **NodeJS. AWS RDS, Lambda** were also in corporated.
* Implemented **Micro services architecture** using **Spring BOOT** enabled **REST API** with the Spring Cloud modules.
* Hands on experience with **Test and Behavior Driven Development TDD BDD** using **RSpec, Selenium**.
* Worked on Integration of Microservices deployment patterns with the PAAS platform on top of **AWS** and Integrating with the Config server and **ZUUL proxy**.
* Worked on Load testing on **JMeter** to improve the performance of newly developed code.
* Designed and prepared **Unit test cases** using **Junit and Log4j** and removed the maximum bugs before passing onto the application to the QA team.
* Implemented **Microservices** based Cloud Architecture on **Amazon Web Services (AWS)** Platform and Cloud Foundry.
* Experimented with **Java 8 lambda, Nashorn JavaScript** engine.
* Batch jobs were automated using the Quartz scheduler.
* Used **Maven** for the project management like build, install.
* Deployed application on **Apache Tomcat server**.
* Jasmine was used to run unit tests on **AngularJS** shadow **DOM**. Protractor was used to automate these unit tests and run them as a suite.
* Used GIT for version control and repository.
* Involved in writing Unit test cases for unit testing using Junit.
* Used Easymock for mocking downline services.
* Used **Selenium** for UI automation.
* Used JBehave for Integration testing.
* Used log4j for logging errors, info, exceptions.
* Involved extensively in Code Reviews, Unit testing and Process Improvements.

#### Environment

JDK 1.7, Spring 4.1(DI, MVC, Tran Management, Integration, AOP), Hibernate 4.0, Microservices, JAX-RS Webservices, JAX-WS Webservices, Apache CXF, JQuery 1.9, JQueryUI, AJAX, UML, MS Visio, JSTL, AWS, Oracle 11g, WebLogic 12.1, Eclipse 4.2, Junit, XMLSPY, SOAPUI 5.1, Log4j, Maven 3.1, GIT, PMD, NodeJS, Bootstrap, AngularJS 4, VueJS, HTML5, CSS3, Toad, Maven, Hudson, TcpMon, Sun Jersey, Junit 4.1, Powermock, Selenium, JIRA, Rally, Freemarker, Apache POI, Quartz Scheduler, TcpMon, JBehave, Selenium, Easymock, Protractor, Jasmine

**QSSI, Columbia, MD Nov 16 – Dec 18**

 **Java Developer**

#### Responsibilities

* Designed the Web application Using **Spring MVC (Model View Controller)** pattern to make it extensible and flexible.
* Developed web front end interfaces using **HTML/HTML 5, CSS3, PHP, JavaScript, XHTML, jQuery, Java, AJAX, JSON, Angular 1/2, NodeJS, BackboneJS, VueJS, ReactJS, Underscore.js, Express.js jQuery and Bootstrap**.
* Analyzed, designed, implemented web-based application using Java, JPA, JSP, Spring, XML, and SQL.
* Used Agile methodologies during the complete project life cycle.
* Designed and developed **Microservices business components** and **RESTful** service endpoints using **spring boot**.
* Helped in preparing the design documents like process flow, sequence, component diagram.
* Implemented DIM Web service using **Spring Framework**.
* Used Agile methodology XP for development using User Stories.
* Used annotations in the complete project development, webservices, **MVC design**.
* Used JMS for consuming pin verification, device connect disconnect messages.
* Used JPA as data persistence API for all the DAO, database operations.
* **PCF (Pivotal Cloud Foundry)** instance was deployed on **AWS**.
* Generated Hibernate Objects, and used Hibernate ORM for SOTI Publisher application.
* Used Maven project management tool for build and deployment of the application.
* Used Spring quartz timer to load the DIM data base with device battery information on regular intervals of time.
* Developed **Spring REST** Web services for opening, closing the locker door webservice operations.
* Wrote lots of JSP's for maintains and enhancements of the application. Worked on Front End using Servlets, JSP and also backend using Hibernate.
* Developed the presentation and controller logic for the screens related to my user stories using JSPs, HTML, bean and form tag libraries.
* Extensively worked in **Test Driven Development (TDD)** framework using JUnit.
* Developed code for user stories (based on user requirements) and successfully approved it from QA
* Used Spring Cache Abstraction and Ehcache to reduce the number expensive executions.
* Developed rule modules using Rule Engines, Drools.
* Entire Backend and frontend modules are developed in Python on Django Web Framework.
* Used **Subversion(SVN),** ClearCase as source controls.
* Developed test cases for Unit Testing, Integration Testing with JUnit.
* Involved in write application level code to interact with APIs, Web Services using AJAX, JSON and XML.
* Established continuous integration (CI) practices and standards for PSCU with Jenkins.
* **Spring XML configuration** for **Camel Integration** to messaging XML documents.
* Front end development utilizing HTML5, CSS3, and JavaScript leveraging the Bootstrap framework and a Java backend
* Involved in setting up the application to run on **AWS** environment on multiple EC2 instances with ELB's using Jenkins. Having experience in various RDBMS databases like **Oracle, SQL server, MySQL** and **NoSQL databases like Cassandra and MongoDB**.
* Worked on designing single page application using **Vue Js** components such as Router and **Vuex** core components.
* Experience in using Vue JS to create a simple API to loop through an array of bound data and also done two way binding of data using Vue JS.
* Utilized various JavaScript and JQuery libraries, AJAX for form validation and other interactive features.
* Parse XML documents like Device Connect, Disconnect messages using JAXB.
* Used Microsoft Visio to design the work flows and sequence diagrams, class diagrams.
* Built a **highly scalable, low-latency Node-JS API Gateway** to interact with **MongoDB database with JSON**.
* Writing unit and integration tests with Mockito framework.
* Involved in deployment of the application at various environments (Development, Testing, Staging, and Production).
* Used log4j for logging.

#### Environment

JDK1.6, Weblogic, 5.5, JSP, Bootstrap, Servlets, Spring STS, Eclipse Juno, GWT, Vaadin, Spring 3.0(DI, MVC,AOP), Struts 1.3.8, JAX-WS CXF, JAX-RS Jersey, JAXB,SOAPUI, Microservices, AWS, Oracle 9i,11g, VueJS, Ajax, JPA, Hibernate 3.0,CVS, ANT1.6, Maven 3.0.6,Jenkins, WinSCP, HTML,DHTML, Javascript, JUnit ,Solaris 4.0, Altova XML Spy, JQuery, JQueryUI, Apache POI, JUnit, Mockito, Selenium, Quartz.

**State of Rhode Island, Providence, RI Feb 15 – Oct 16**

 **Full Stack Developer**

#### Responsibilities

* Involved in database modeling applying the normalization rules
* Developed Code using Struts framework, based on the **MVC design pattern**
* Developed the presentation layer using Struts Tag Libraries
* Developed the application with iterative methodology, recapturing the existing code and writing a new code for most of the modules
* Development of code using **JSP code**, HTML, CSS, JavaScript libraries such as **JavaScript, Vue.js, jQuery**, Prototype plus relevant coding standards.
* Created POC for Spring Batch for running batch jobs.
* Worked on backend logic using **Servlets, EJB, Hibernate and JDBC**.
* Developed page specific elements, handlers, web beans, view helper classes, JSP pages & fragments by using design patterns and java standards
* Analyzed, designed, validated the business logic of the system and implemented the application.
* Developed business services using **EJB’s** and used **SOAP API**.
* Translated functional requirements into technical design by gathering the user stories & Developed order history and order status of all the Authorized agent’s specific bonds
* Developed dynamic pages for generating a report for displaying the existing business rules based on a search criteria to be reviewed by the CNA internally
* Involved in debugging the product using **JIRA Bug Tracking**
* Deployed the application on to Websphere application server.
* Developed Search Tool for the organization to display reports agent wise, month wise, weekly.
* Involved in developing the UI pages using HTML, CSS, JavaScript, JSON, jQuery and AJAX.
* Developed servlets for generating reports in PDF format.
* Implemented multiple high-performance MongoDB replica sets on EC2 with robust reliability.
* Implemented logging using log4j.
* Deployed the application in **JBOSS Application Server**.
* Developed Servlets and Worked extensively on My SQL.
* Worked with **MySQL for SQLYog and Workbench**.
* Written JQuery Validations for the User Front-ends.
* Maintenance of data in different Oracle Database and environments using **TOAD**.
* Worked on Hibernate object/relational mapping according to database schema.
* Effective using in Clearcase and clearquest for version control and defect tracking.

#### Environment

Windows XP/2000, Java 1.3, J2EE, Struts 1.1, EJB 2.0, Servlets, Session Beans, Ant, JavaScript 1.3, JSPs, HTML, CSS, JQuery, JSON, Oracle 8i, Ajax, MongoDB, Soap, Toad, Eclipse 3.1, WebSphere Application Server 5.1, Weblogic, Apache CXF, MySQL, XSLT, JUnit, Log4j, Rational Clearcase, ClearQuest.

**Innova InfoTech, Bangalore, India July 2013 – Dec 2014**

**Java/J2EE Developer**

#### Responsibilities:

* Designed the Web application Using **Spring MVC (Model View Controller)** pattern to make it extensible and flexible.
* Analyzed, designed, implemented web based application using Java, JPA, JSP, spring, XML, and SQL.
* Used Agile methodologies during the complete project life cycle
* Helped in preparing the design documents like process flow, sequence, component diagram.
* Implemented **DIM Web service** using Spring Framework.
* Used Agile methodology XP for development using User Stories
* Used annotations in the complete project development, webservices, MVC design.
* Used JMS for consuming pin verification, device connect disconnect messages.
* Used JPA as data persistence API for all the DAO, database operations.
* Generated Hibernate Objects, and used **Hibernate ORM for SOTI Publisher** application.
* Used Maven project management tool for build and deployment of the application.
* Used Spring quartz timer to load the DIM data base with device battery information on regular intervals of time.
* Developed Spring **REST Web services** for opening, closing the locker door webservice operations.
* Wrote lots of **JSP**'s for maintains and enhancements of the application. Worked on Front End using Servlets, JSP and also backend using Hibernate.
* Developed the presentation and controller logic for the screens related to my user stories using JSPs, HTML, bean and form tag libraries
* Developed code for user stories (based on user requirements) and successfully approved it from QA
* Used **Spring Cache Abstraction and Ehcache** to reduce the number expensive executions.
* Developed rule modules using Rule Engines, Drools.
* Used **Subversion(SVN),** ClearCase as source controls
* Involved in write application level code to interact with APIs, Web Services using AJAX, JSON and XML.
* Established continuous integration (CI) practices and standards for PSCU with Jenkins.
* Spring XML configuration for Camel Integration to messaging XML documents.
* Front end development utilizing HTML5, CSS3, and JavaScript leveraging the Bootstrap framework and a Java backend
* Utilized various **JavaScript and JQuery libraries, AJAX** for form validation and other interactive features.
* Parse XML documents like Device Connect, Disconnect messages using JAXB.
* Used Microsoft Visio to design the work flows and sequence diagrams, class diagrams.
* Writing unit and integration tests with **Mockito framework**.
* Involved in deployment of the application at various environments (Development, Testing, Staging, and Production).
* Used log4j for logging.

Environment: JDK1.7, Weblogic, 5.5, JSP, Bootstrap, Servlets, Spring STS, Eclipse Juno, GWT, Vaadin, Spring 3.0(DI, MVC,AOP), Struts 1.3.8, JAX-WS CXF, JAX-RS Jersey, JAXB,SOAPUI, Oracle 9i,11g, Ajax, JPA, Hibernate 3.0,CVS, ANT1.6, Maven 3.0.6,Jenkins, WinSCP, HTML,DHTML, Javascript, JUnit ,Solaris 4.0, Altova XML Spy, JQuery, JQueryUI, Apache POI, JUnit, Mockito, Selenium, Quartz

**Peace Home, Hyderabad India May 12 – June 13**

**Jr Java Developer**

#### Responsibilities

* Involved in development, testing and maintenance process of the application
* Used Struts framework to implement the **MVC architecture**
* Created **JSP**, Form Beans for effective way of implementing Model View Controller architecture
* Created Session Beans, Entity beans for transactions with the database using JDBC
* Developed necessary **SQL queries** for database transactions
* Developed and maintained the application configuration information in various properties files
* Designed and developed **HTML front** screens and validated user input using JavaScript
* Used Eclipse for code development along with CVS for managing the code
* Performed testing and bug fixing

**Environment**

 Java, J2EE, Struts 1.1, JSP 2.0, JavaScript, CSS, HTML, XML, Web logic Application Server 8.1, Eclipse, Oracle 9i.