# **Santhosh Kumar Rudra**

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## **Professional Summary:**

* Sr. Java Developer with over 7+ years of experience in analysis, design, implementation, and testing of Web/Enterprise applications in the Client/Server environment using Java/J2EE.
* Having solid experience working with Claim Center 8.0,7.0, Contact Manager 8.0 Billing Center 8.0
* Expertise in designing and developing Web based Enterprise applications using J2EE technologies like JSPs, Servlets, spring,
* Implemented various Design patterns including Business Delegates, Data Access Object, Model View Controller, Session facade, Singleton etc.
* Expertise in configuring the Spring Application Context with dependency injection and using Spring Framework 2.0/2.5 Web Services JMS/JDBC/JNDI.
* Performed in developing light weight business components and integrated applications using spring framework, and Spring web MVC.
* Created robust user Interface (UI) using HTML, CSS, JSP, JavaScript, AJAX, Custom Tags, JSTL, XML, XSL.
* Developed Java Beans and used custom tag libraries for embedding dynamic into JSP pages. Performed asynchronous data validation using AJAX.
* Extensively worked on implementing Service Oriented Architecture (SOA) using Web Services (SOAP, WSDL, UDDI)
* Strong at XML Technologies like DTD, XSL, Schemas, X-Path, DOM, SAX
* Hands on experience in developing Java and J2EE applications using Eclipse 2.0/3.0/3.1, My Eclipse 4.1, WSAD 5.0., RAD.
* Experience in deployment of the J2EE applications on WebSphere, WebLogic, Apache Tomcat.
* Experience with JUnit in performing unit testing and determining the application functionality and Monitored the error logs using Log4J and fixed the problems.
* Experienced in Object Oriented Methodologies, design patterns and UML modeling using tools like Rational Rose and MS Visio.
* Experience in using Software development methodologies such as Agile, SDLC, RUP, and OOAD.
* Extensive experience in working with various databases like DB2, Oracle and SQL Server.
* Expertise in version control tools like CVS and SVN to manage and control software development.
* Excellent communication, analytical and interpersonal skills and highly motivated team player with ability to work independently.
* Ability to learn and adapt quickly to the emerging new technologies.

**TECHNICAL SKILLS:**

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| **Java/J2EE Technologies** | Servlets, JSP, JSTL, JDBC, JMS, JNDI, RMI, EJB, JFC/Swing, AWT, Applets, Multi-threading, Java Networking |
| **Programming Languages** | Java JDK1.5/1.6/1.7/1.8, C, UNIX Shell SQL, PL/SQL |
| **Application/Web Servers** | Oracle/BEA WebLogic 8.1/9.1/10.3, IBM WebSphere 5.1/6.0/6.1/7.0, JBoss, Tomcat 5.0.28/6.0 |
| **Frameworks** | Struts 2.x/1.x, Spring 3.x, Hibernate 3.x, JSF 1.2/2.0 |
| **IDEs** | Eclipse 3.x, IBM WebSphere Application Developer 5.x, IBM RAD |
| **Web technologies** | JSP, JavaScript, jQuery, AJAX, XML, XSLT, HTML, DHTML, CSS, Backbone JS, React JS, Ext JS, Node JS, Perl |
| **Web Services** | JAX-WS, JAX-RPC, JAX-RS, SOAP, WSDL, UDDI |
| **XML Tools** | JAXB, Apache Axis, Altova, XMLSpy |
| **Methodologies** | Agile, Scrum, RUP, TDD, OOAD, SDLC |
| **Modeling Tools** | UML, Rational Rose, Visio |
| **Testing technologies/tools** | JUnit, JMeter, HTML Unit. |
| **Database Servers** | Oracle 8i/9i/10g, DB2, SQL Server 2000/2005/2008, MySQL,Mongo DB |
| **Version Control** | CVS, SVN, Rational ClearCase, ClearQuest |
| **Build Tools** | ANT, Maven |
| **Operating Systems** | Windows 8/ 7/ XP/ 2000/NT/98/95, Linux, MS-DOS, UNIX |
| **Build Tools** | ANT, Maven |

**PROFESSIONAL EXPERIENCE:**

**CLIENT: Centene Corporation, St. Louis, MO April 2018 – Present**

**ROLE: Guidewire/Sr. Java Developer**

**Responsibilities:**

* Developed the J2EE application based on the Service Oriented Architecture (SOA).
* Extensive use of core Java Collections, Generics, Exception Handling, and Design Patterns for functionality.
* Involved in writing Thread Safe blocks for multithread access to make valid transactions.
* Client-side code were written in AJAX and Server-side Code were developed using MVC4.
* Developed Web Services SOAP/HTTP, SOAP/JMS, and SMTP using SOA technologies such as SOAP, WSDL and UDDI Experience with and solid understanding of Micro services.
* Worked on System security with the use of SSL (Secure socket layer), encryption and used role-based security.
* Used Spring IOC for dependency injection and Spring AOP for cross cutting concerns like logging, security, and transaction management.
* Used Encryption algorithms to provide security to the data.
* Expertise in developing reusable and interoperable Web service modules based on microservices, SOA architecture using SOAP and RESTful.
* Wrote SQL queries, stored procedures and enhanced performance by running explain plans.
* Worked in all the modules of the application which involved front-end presentation logic developed using Tiles with Spring MVC, JSP, JSTL and JavaScript, Business objects developed using POJOs and data access layer using Hibernate framework.
* Developed and tested Apache JMeter Java Request Sampler Plugins Extensions using methods inside of Linux Desktop Testing Project (LDTP) Java libraries for Graphical User Interface (GUI) Automation Testing.
* Developed Angular JS Controllers, html views, Services and factories for consuming REST API's and Math calculations modulus.
* Used complete annotation driven approach to develop the application using Spring Boot.
* Designed and developed Application based on Spring MVC Framework using MVC design pattern.
* Designed and Implemented SOA Architecture, Multithreading, using Spring MVC Framework, Spring Batch Coding involves Writing Controller Rest Controller, Service Layer and DAO Classes.
* Achieved synchronization of multiple threads through Multithreading and Exception Handling.
* Developed micro services using Spring MVC, Spring Boot, Spring Cloud, Spring AOP and Dependency Injection and JPA.
* Worked on Pre-Defined Plugins which are internal to Guidewire and some of them are used in integration.
* Responsible for the implementation of application system with Core Java and spring framework.
* Created and injected spring services, spring controllers and DAOs to achieve dependency injection and to wire objects of business classes. Designed and Implemented REST web services using JAX-RS, Spring REST.
* Worked on Spring Quartz, form-based authentication with Cross-Site Request Forgery CSRF token and secured REST endpoints with HTTP Basic authentication.
* Used AWS as a Cloud-based infrastructure to
* Worked on complex data model designs in Guidewire for storing the sensitive data retrieved from service vendors and collect Splunk data within the AWS environments.
* Implemented and maintained the monitoring and alerting of production and corporate servers/storage using AWS Cloud Watch.
* Developed unit test cases using Jasmine and Karma and performed end to end testing using Protractor and Selenium.
* Involved in writing Stored Procedures in Oracle and PL/SQL for back end which were used to update business logic over a set of scheduled timers.
* Configured QA environment using AWS EC2, RDS, Route53 services.
* Used complete annotation driven approach to develop the application using Spring Boot and was also involved in setting up the Spring bean profiling.
* Used Hibernate Transaction Management, Hibernate Batch Transactions, and Hibernate cache concepts.
* Used AJAX extensively to implement front end /user interface features in the application.
* Build REST web service by building Node.JS Server in the back-end to handle requests sent from the front-end jQuery Ajax calls.
* Database development required creation of new tables, PL/SQL stored procedures, functions, views, indexes and constraints, triggers and required SQL tuning to reduce the response time in the application.
* Focused on Test Driven Development (TDD) thereby creating detailed JUnit tests for every single piece of functionality before actually writing the functionality.
* Developed front-end systems with JavaScript, Angular, Node.js, Bootstrap, Backbone, HTML5, CSS3.
* Deployed application in WebSphere Application Server and developed using RAD.
* Coordinated with QA team for development of test plan, test cases, test code and responsible for defects allocation and resolution of those defects using Selenium.
* Implemented code according to coding standards and Created Angular.JS Controller Which Isolate scopes perform operations. Extensively used Core Java such as Exceptions, and Collections.
* Implemented Unit testing using JUnit.
* Used Apache Maven for project management and building the app.

**Environment:** JDK 1.8, J2EE, HTML5, JSON, XHTML, JS, AJAX, jQuery, jQuery, AWS, CSS3, JSP, Angular.JS 5, JavaScript, Node.JS, Microservices, Bootstrap, XML, XSLT, XPATH, MULE ESB, AWS, WebSphere, Unix, SOAP, REST, Spring Boot JMS, Eclipse, Jenkins, JUnit, MongoDB, Mockito, Star Team, TDD, Spring MVC, Guidewire, JIRA, Spring framework DI, AOP, Batch, Hibernate, Cassandra, Docker, Maven, Coherence, Rally, Apache Camel, Selenium.

**CLIENT: Anthem, Indianapolis, Indiana Jan 2017 – Mar 2018 ROLE: Full Stack Developer**

**Responsibilities:**

* Involved in the full Software Development Life Cycle (SDLC) of the project with Agile Methodology from analysis and design to testing, debugging and deployment.
* Attended daily and weekly SCRUM meeting to update working status and used Jira for bug tracking and project management.
* Designed and implemented business logic with Spring 4 framework to perform IOC to isolate business logic from data presentation, AOP, and integrated Spring MVC to define Controller, action mappings, services, DAO.
* Created User interface to generate customizable reports using Jasper reports.
* Implemented Java Multithreading to refresh the cache at a given set of time interval.
* Implemented Business Logic using Java, Collections, Exception Handling, multithreading, Generics, java concurrency, Spring, Spring Boot, Spring Batch and Hibernate.
* Performed ORM with Hibernate 3 to design and create mapping classes and corresponding XML configuration files, wrote HQL and Criteria to manipulate data in the database.
* Configured EH Cache to hibernate for displaying static lookup data from Oracle.
* Used JNDI connection to configure data source connected to Oracle 11g database, and wrote stored procedures using PL/SQL.
* Implemented Spring Boot, Spring REST web services to manage app calls.
* Used SOAP, WSDL to create Web Services for claim process system to consume and transmit claims data into this application, and SOAP UI for testing purpose.
* Used Log4J for logging, tracking and monitoring errors at various levels.
* Involved in client-side web pages designing and development using JSP, HTML5, CSS3 and JavaScript, jQuery AJAX, Angular JS, Node JS and Bootstrap.
* Implemented Web Application with Backbone.JS and PHP code.
* Developed and maintained UNIX Shell Scripts for data driven automatic processing.
* Implement search, sort and filter of data using Angular JS framework.
* Developed the Shell scripts to automate the finance billing file.
* Monitored project status to ensure progress toward completion, required procedural steps are completed fully and timely, participants are informed of progress. Tested the customer service management module in Amdocs.
* Provided Systems Testing & Integration for the Ensemble and Enabler modules of the Wireless Amdocs Billing System.
* Developed Mongo DB embedded documents from java code using spring data Mongo DB.
* Working with mongo consultants for work around and fixing up the mongo bugs.
* Implemented Angular JS client-side form validation such as required field validation and regular expression validation.
* Created web services using Spring REST API and Spring Boot.
* Designed and developed the functionality to cache the data from several systems during batch preprocess to improve the performance of Spring batch jobs.
* Designed and developed functionality to get JSON document from MONGO DB document store and send it to client using RESTful web service.
* Develop Single Page Application with layout using Angular JS.
* Used Node JS to develop scalable web application.
* Used Node JS, Express to offer an easy and safe way to build high performance and scalable network application.
* Used Backbone.JS for fetching data from server by giving URL to get JSON data for model and to populate model from the server.
* Configured Jenkins jobs supporting Release team automate their process.
* Implemented Sonar integration with Jenkins for code review.
* Integrated Jenkins jobs with Jira updating Release information on Jira issues/tickets.
* Made use of oracle coherence Cache to store the communication information between the front-end service layers.
* Performed unit test and integration test using JUnit by writing test case for responsible modules
* Described the project building and dependency with Maven 3.
* Used SVN for code repository and version control.

**Environment:** Java 1.7, Eclipse, Spring 4, Spring MVC, Spring Boot, Spring Batch, Hibernate 3, JDBC 3.0, XML, JNDI, Oracle 11g, SOAP, WSDL, JAX-WS, WebLogic 10, Log4J, JSP, HTML5, CSS3, JavaScript, UNIX Shell scripting, PL/SQL, jQuery, AJAX, JBOSS 5, JSON, Mongo DB, Express, Angular JS, Backbone.JS, Node JS, Bootstrap, JIRA, Jenkins, Jasper reports, JUnit, Maven 3, SVN.

**CLIENT: State Farm Insurance, Boston, MA April 2015 – Dec 2016**

**ROLE: Guidewire/Java Developer**

**Responsibilities:**

* Designed and developed EFT payments for Auto Repair Express, Salvage, and Rental providers within a short period of time following Agile Methodology.
* Designed and developed online payments report, daily and weekly paper payments report for all providers using batch process and web service.
* Initiated and developed a tool that run in a running server and fix any type of bug.
* Initiated and developed a process to retry all failures caused by a network outage.
* Fixed critical issues for inbound and outbound integration of Claim Center with downstream systems.
* Implemented new tools helping production support retrying failed payments
* Collaborated with the data model team in adding new fields to the existing entities, creating new entities, adding and modifying type lists as per the project requirements.
* Designed and developed inbound integration of Claim Center to accept glass invoice and create EFT payments and bulk payments.
* Assisted in Data Migration of billing information from legacy Systems into Billing Center.
* Performed Pcf enhancements and wrote validation rules for billing center to meet business needs.
* Investigated and solved issues and bugs in customized bulk payments and AD Check Writer functionalities.
* Designed and Implemented outbound integration to send emails to external vendors based on claim center generated events.
* Involved in configuration of Business Rules like Validation, Pre Update, Audit, Segmentation and Assignment.
* Involved in configuration of various jobs like Submission, policy change, cancellation, reinstatement, rewrite and Audit.
* Involved in configuration of Rating Engine classes for various line of business.
* Integrated External rating engine for policy center.
* Worked with Portal development for customers to view and track policy and claims information.
* Involved in integration between Policy Center, Claim Center
* Worked on Validation Framework , Validation levels.
* Worked on WSI - Web services publishing and consuming as part of integration areas.
* Worked on Query APIs, Bundle Transactions as part of retrieving and update data to database.
* Worked on Custom Batch Process as part of generating the reports on daily, weekly and monthly basis.
* Worked on underwriting issues in triggering manually and automatic and approvals related to.
* Worked on Pre-Defined Plugins which are internal to guidewire and some of them are used in integration.
* Worked on Messaging configuring Transport, Request ad Response plugins.
* Participated in various code review sessions and assistance to other developers in implementing Claim Center configuration best practices.
* Provided analysis quickly not just verbally but also in writing.

**Environment:** ClaimCenter, ContactManager, Policy Center, Java1.6, Tortoise SVN, Hudson.

**CLIENT: Quomatic Solutions Pvt Ltd – INDIA Jan 2013 to Dec 2014**

**ROLE: Java Developer**

**Responsibilities:**

* Involved in Technical software and application design, Collaborating and consulting with business analysts.
* Developed web application using J2EE, Spring, JPA, Web Services and Oracle Database.
* Implemented spring transaction management for database transactions.
* Worked on enhancements with the existing application which was implemented using MVC paradigm, implemented by Spring Framework.
* Worked with Spring annotations like Request Mapping, Auto-wired, Qualifier, and Primary etc.
* Worked with Ajax and jQuery to meet the business requirements across the application.
* Designed application interfaces using J2EE, XML/SAOP, WSDL, Web Services and Servlet.
* Designed and developed user interfaces using JSP, Java script, XML, XSL and HTML.
* Used Subversion for Versioning and concurrent access to the project files.
* Worked on developing RESTful endpoints to cache application specific data in in-memory data clusters like REDIS and exposed them with RESTful endpoints.
* Implemented Data Access Objects (DAO) to access the Oracle database using Spring DAO.
* Implemented web services using Spring-Rest and developed delegated services to access other web services.
* Created and tested Mockito test cases for Unit testing.
* Involved in writing SQL queries as Creating & Modifying Stored Procedures, Views, Functions, Tables, and Indexes.
* Used Maven as a build tool and Tomcat webserver for deploying the application.
* Used log4j to capture the log that includes runtime exceptions and debug information.
* Written SQL queries for Performing CRUD Operations using JDBC.
* Designed Screens using HTML, CSS5, JavaScript and images.
* Administering the SQL Server by creating user logins with appropriate roles, dropping and locking the logins, monitoring the user accounts, creation of groups, granting the privileges to users and groups.
* Involved in creating Unit Test plans and executing the same.
* Detail-oriented team player with Great analytical and demonstrable communication skills.
* Ability to work under minimal supervision and interested in learning new technologies.
* Reviewing Low level design, code, unit test documents produced by team members.
* Participated in daily SCRUM meetings and give the daily status report.
* Provided feedback and technical guidance to Project Managers on issues of critical importance to achieving business objectives.

**Environment:** Spring MVC, Hibernate, C++, Java, JSP, HTML, CSS, Java Script, Ajax, Oracle, Xml, SVN, JIRA, Swings, Tomcat Server, Maven, Restful API, Oracle 11g, SOAP, WSDL, JDBC, DAO, JDBC.

**CLIENT: EPAM – Hyderabad, India June’2011 to Dec 2012**

**ROLE: Jr. Java Developer**

**Responsibilities:**

* Involved in the discussions with business users, testing team to finalize the design documents and story point's allocation for user stories.
* Followed Scrum Agile methodology for iterative development of the application.
* Used core Java to build new functionality based on the requirements.
* Involved in core java concepts - Interfaces, Collections, Multithreading, Serialization and java features etc.
* Developed JavaScript and jQuery functions for all Client-Side Validations.
* Designed & Developed User Interfaces using Ext JS UI Framework, HTML5, CSS3, JSP, Struts.
* Used ANTLR recognition tool to find the relation between the dependent controllers, Objects, workflows and triggers across various Org.
* Good Experience in SOA engineering and Microservices Architecture utilizing REST and SOAP Web Services.
* Worked with SQL, Stored procedures, Triggers, PL/SQL programming and JDBC.
* Written SQL Queries to interact with Oracle database.
* Web application development for back end using Angular JS and Backbone JS.
* Used XML applications to create XML strings send and receive data from Mainframe Martens.
* Generated the Model part of MVC with spring and Hibernate Framework.
* Extensive experience in development and implementation of ORM framework like Hibernate integration with Struts and spring.
* Used String Template for code generation since the possibility of duplicate code for primitive collections is high.

**Environment:** Java (JDK 1.7), J2EE, JPA, spring 4.0, MVC, Eclipse, JUnit, JSP, XML, String Template, Web Services (SOAP, REST), Web Sphere as application server, SQL, PL/SQL, HTML5, CSS3, JSP, Structs, jQuery.