**Santhosh Kumar Rudra**

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**Professional Summary:**

* Around 7 years of experience in the fields of software engineering and Information technology using Java /J2EE technologies. Worked extensively on a variety of multi-tier and client/server enterprise application architectures.
* Development experience with Core Java such as IO, Multithreading, Collections and Exception Handling.
* Experience in **Spring** frameworks like **Spring web flow**, **ORM**, **Spring core**, **Spring Security, Spring AOP**.
* Extensive knowledge in **Spring Web MVC** framework for the applying MVC Implementation to the web application.
* Experience in using the Object Relational Mapping tool- **Hibernate,**strong in using XML mappings and Java Objects.
* Good knowledge of **Spring’s IOC, AOP,** **Spring MVC** and spring’s integration with **Hibernate** technologies.
* Worked with **spring-hibernate**, **spring security**, **spring validations** and **Spring-JDBC** integration on various web-applications.
* Developed the applications using **SPRING** framework including **Spring Boot**, **Spring WS**, **Spring Batch**, **Spring MVC**, and Spring Integrations design pattern.
* Created and executed both load and functional tests for web services.
* Experienced with **SOAP/WSDL**. Have also designed and developed **REST** interfaces in Java.
* Working knowledge of JBOSS 4.x/5 and exposure to distributed queuing architectures.
* Solid experience with **Oracle**, MS-Access using **JDBC**. Extensive experience in using **SQL**, **PL/SQL**.
* Expertise in Installation, Configuration, Trouble-Shooting and Maintenance of BEA WebLogic Server JBOSS 4.x/5, Apache Web Server on different UNIX flavors and environments.
* Expertise in **RDBMS** such as **Oracle** **DB2**, **SQL** Server writing SQL Queries, Joins, Procedures and Functions.
* Good programming and debugging skills in **Unix** Shell Scripting.
* Developed customized audit reports with password protection and role-based run authorization using **Jasper reporting tool**.
* Expertise developing Responsive web design (**RWD**) application with client scripting language and serve scripting languages like **Node.js, Express.js, React.js**.
* Expert level skills in developing web-based **GUI** s using **HTML**, **DHTML**, **XML**, **CSS**, **CSS/SASS** and **JavaScript** for web enabled applications.
* Worked on CSS pre-processors like LESS, **SASS** and switch CSS.
* Good exposure in setting up **Mongo** environments for different use cases.
* Experience in designing front end with in object-oriented JavaScript framework like **Angular.JS, Backbone.JS, node JS**, express.
* Experience in working with Integration frameworks like **Apache** Camel.
* Administration, deployment and management experience of various Version Control Systems like Apache Subversion (SVN), GIT, Perforce, CVS, **IBM Clear Case.**
* Developed **JSP** custom tag libraries, and associated support in the Action Servlet, that assists in creating interactive form-based applications, which is the one of the primary area of functionality using **Struts** Framework.
* Experience in developing web-based applications using Node JS on the server side.
* IBM **WebSphere** 7.0, Oracle/BEA **WebLogic** 8.0, **JBoss** and **Tomcat** 5.5.
* Proven experience in writing Queries, Stored Procedures using SQL Developer.
* Excellent experience with major relational databases – **Oracle 8i/9i/10g/11g, DB2, MySQL**, SQL Server 2000/2005/2008**.**
* Extensive development experience in different IDE's like **Eclipse 3.x, NetBeans, IBM RAD.**
* Expertise in client side designing and validations using **HTML**, **JavaScript**, **JSP**, **Java** **Applets**, and **Java** **Beans**.
* Supported and maintained all application processes using **Autosys.**
* Hands on experience in writing **Junit** test cases and performing unit testing.
* Implemented continuous build and continuous integration/deployment process using **Jenkins**.
* Dealt with Build Automation and Continuous Integration devices like ANT, Maven, **Jenkins**.
* Good knowledge of enterprise patterns, object-oriented design patterns and programming techniques.
* Experience in the implementation of spring batch using Shell Scripting.
* Experience **Agile/Scrum** methodology for the software development.
* Experience in designing solutions and working on Service Oriented Analysis (SOA).
* Experience in working with **Eclipse** IDEand build tools like **Ant** and **Maven** and source controllers like **GIT** and **SVN**.
* Participated in the Production Support and maintenance of the project.
* Involved in the **Production Support** and made some minor enhancements according to the requirements of the application.
* Participated in all phases of product development lifecycle.
* Worked under rigid delivery schedules and deadlines.

**Technical Competencies:**

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| --- | --- |
| **Languages** | Java, C/C++, VB, SQL, PL/SQL |
| **J2EE Technologies** | J2EE (EJB, JNDI, Servlets, JSP, JSTL, AJAX, JDBC 3.0, AWT, Swing, Java Mail, SOAP, JSF, Web Services), JDK 1.x, MVC, Struts, Hibernate, Spring, Spring Boot, Design Patterns, Camel, J2EE Patterns, Unix Shell Scripting |
| **Scripting Languages** | HTML, JavaScript, AJAX, CSS, PHP, DHTML, XHTML, JSON, JQuery, Backbone.JS, Angular JS, Node JS, Express JS. |
| **Application/Web Servers** | Apache Tomcat 7.x/8.x, WebLogic, WebSphere, JBoss |
| **Databases** | DB2, Oracle 12c/11g/10g/8i, SQL Server, Mongo DB, MySQL |
| **IDE Tools** | Net Beans, Eclipse |
| **Configuration** | SVN, GIT |
| **Tools** | ANT, Maven, JUnit, Jasper reports, Jenkins |
| **Protocols** | SOAP, HTTP |
| **Platforms** | Windows XP, Unix, Linux |

**Professional Work Experience**

**Centene Corporation, St. Louis, MO April 2018 – Present   
Full Stack Developer**

**Roles & 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.
* Working background with Drupal 7 and 8 with customization and organization encounter alongside custom module improvement.
* 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**.
* Designed and implemented PHP MySQL solutions as per project specifications.
* 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 collect Splunk data within the **AWS** environments.
* Implemented and maintained the monitoring and alerting of production and corporate servers/storage using AWS Cloud Watch.
* Managed and maintained development of PHP backend for dynamic database driven websites.
* 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.
* Experienced in Drupal tool like View Tools, Uber Search, Drupal Theme Viewer to create powerful and flexible web applications.
* Configured QA environment using **AWS** EC2, RDS, Route53 services.
* Monitor evolving PHP, JavaScript, NoSQL and UI Framework trends and technologies for possible adoption
* Managed and maintained development of PHP backend for dynamic database driven websites
* Designed and implemented PHP MySQL solutions as per project specifications
* 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, EclEmma, JIRA, Spring framework DI, AOP, Batch, Hibernate, Cassandra, Docker, Maven, Coherence, Rally, Apache Camel, Selenium.

**Anthem, Indianapolis, Indiana Jan 2017 – Mar 2018  
Java/ Front End Developer   
Roles & 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.
* Integrated existing Drupal modules as well as create custom theme, module, views, functions and hooks.
* 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.
* Migration of the existing system written in Python to PHP environment adding more features.
* 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.

**State Farm Insurance, Boston, MA April 2015 – Dec 2016  
UI/Front End Developer   
Roles & Responsibilities:**

* Involved in various phases of Systems Development Life Cycle (SDLC) including systems design, development, integration, and testing.
* Created Business Specifications as well as **Class Diagrams** for Enrollment and Premium Billing Module.
* Developed Front-end Application using **JSP**, **HTML** and **JavaScript**.
* Implemented the Application using **Spring MVC** Framework.
* Implemented **MVC architecture** using the basic functionality provided by **Spring** and **Hibernate**.
* Developed Customer facing software for managing advertisements to grow the business using **Backbone.JS, HTML, CSS.**
* Involved in implementing the batch processing using shell scripting and thus process the **XML** files received from the external application.
* Wrote Bash shell scripts using **UNIX** shell scripting.
* Developed Front end widgets in **Backbone**.**JS**.
* Developed Service classes and implemented Callbackmethods for interacting with Documents and Letters.
* Exposed business functionality to external systems (Interoperable clients) using **Web Services**.
* Developed Java Classes for implementation of Persistence objects using **Hibernate**.
* Developed Test Cases and Unit Tests for Functionality Testing using **JUnit.**
* Implementing enhancements requires Java and Rule side changes.
* Designed and implemented the presentation layer using JSP, tag libraries, **CSS**, **AJAX**, **HTML** and **DHTML**.
* Support various organizational activity like migrate/upgrade production servers includes database, Web app servers.
* Involved in Production issues & defect fixing.
* Coordinating the issues between offshore and onsite teams.
* Unit/Integration testing is to make sure the changes works and prepared UTR.
* Developed the application using **Struts** Framework that leverages classical Model View Layer (**MVC**) architecture.
* Planned and implemented various **SQL Stored Procedures** for filtering employee depending on Selection Criteria.
* Used TOAD for all database query testing and optimizations.
* Used **Ant** for the build process and deployed to **WebLogic** Server.
* Extensively involved in developing core persistence classes using Hibernate framework, writing **HQL** queries, creating hibernate mapping (.**hbm**) files, DB schema and PL SQL changes.
* Code repository management including branching and version control with Clear Case.
* Involved in the software development life cycle Requirements gathering, Analysis, Design, and Development, Testing, UAT support and production implementation.
* Involved in the connectivity with **SVN**, created **VOBs** etc.,
* Exposed enterprise level components to other Systems using **Spring Web services.**
* Used Integration frameworks like **camel** to pass data from one application to other.
* Used Apache **camel** to route messages between different applications where the real logic for integration is specified.
* Used **Spring Framework** for Dependency injection.
* Developed Rest Endpoints Using REST Controller of Spring Boot.
* Used **ORM Hibernate 2.0** for database operations.
* Responsible in preparation of **Unit Test Plan** and Test Plan Review.
* Responsible in Code Review and walkthrough for developers and the testing team.
* Involved in Code review by improved application efficiency.
* Involved in **SIT, UAT** and User Training at during Implementation and rollout of the project.

**Environment:** J2EE, Spring, Spring Boot, Spring Batch, Hibernate, Camel, JDBC 3.0, Web Services, Eclipse, Ant, WebLogic, UML, SQL, Oracle 10g, TOAD, JUnit 4.5, JavaScript, Backbone.JS, UNIX Shell scripting, AJAX, JBOSS5.1, Clear Case, Eclipse, JDK 1.6, SVN, Putty, Rest Client.

**Quomatic Solutions Pvt Ltd – Bangalore, INDIA Jan 2013 to Dec 2014**

**Web Developer**

**Roles & Responsibilities:**

* As a Developer in Java, involved in System Requirements analysis and conceptual design.
* Experience in using **VSS** as source control.
* Developed the application using User interface using **Struts**, **Html** and **JavaScript**, **CSS**.
* Experience in using **JSON**, JavaScript functions to get dynamic data and client-side validation.
* Experience in handling designed, Developed and Implemented document transformation applications using **XML** Spy tool and **XSD's**.
* Experience in developing **JDBC** to interact with the database
* Involved in developing applications for workflow using **JSP's,** spring MVC module, Hibernate, **AJAX**, JavaScript technologies using **Apache** **Tomcat** and integrated it with the actual system to improve the quality of the existing system.
* Enhancement of existing application utilizing JSP, Created HTML navigation menu that is role-based menu items changes dynamically, derived from the database in the form of XML.
* Developed non-functional HTML, CSS pages from the mock ups and involved in UI review with UI architect and Business Units.
* Creating Service Oriented Architecture (SOA) based solutions using SOAP messaging framework. Implemented mailing system (Send mail) with attachments.
* Develop a real time mobile web application using jQuery Mobile, MVC and web services.
* Experience in initiating with 'Workflow module' of the Project which is a product intended to automate the workflow related functions of any organization.
* Experience in designing full life cycle development of web applications and modification of existing applications to incorporate new components and features emphasizing maintainability, reliability, scalability and performance.

**Environment:** Java, Servlets, JSP, JSTL, Spring, Ajax, Hibernate, Java JDK 1.6, Apache Tomcat 6.0, MySQL Query Browser, Windows XP Professional.

**EPAM – Hyderabad, India Jan’2012 to Dec 2012 SQL Developer**

**Roles & Responsibilities:**

* Involved in ER diagrams and mapping the data into database objects, design of the Database and the Tables.
* Setup the database with suitable memory and hard disk space allocation, creating different user and security
* profiles for the team.
* Strong reporting experience using Excel, Access.
* Worked on Client/Server tools like MS SQL Server 2008/2005 Enterprise Manager and Query Analyzer to
* Administer SQL Server
* Used **Aggregation Design Wizard** to decide best possible aggregation for a given amount of disk space in MS
* Analysis services 2008/2005.
* Worked on Excel 2008, Power Pivot for providing ad-hoc reporting for the clients.
* Experience in DTS for data flow from one source files like Excel, Tables, and Views to other databases or files with
* proper mapping.
* Designed and developed various analytical reports from multiple data sources by blending data on a single
* worksheet in Tableau Desktop.
* Review and implement migration plan from Vault to TFS.
* Implemented a successful security plan by creating statement permissions, linked servers and encryption of
* connections by creating certificates.
* Worked in **Agile**/**Scrum** Methodology with daily stand up meetings and vast knowledge in TFS
* (**Team Foundation Server**) 2010. Execution of **SQL** queries to extract data from DB2 tables for running test scripts.
* Created many complexes Query's and used them in Power BI Reports directly to generate reports on the fly.
* Generated database **SQL** scripts and deployed databases including installation and configuration.
* Experience in creating Indexes for faster performance and views for controlling user access to data.
* Performed unit testing, provided bug fixes and deployment support.

**Environment:** SQL Server 2008/2008R2, DDL, DML, Tableau, TFS, Visual studio 2008/2010 Store Procedures, Views, UDFs, VSS, Power BI, C#.NET, Waterfall methodology.