**Ranjith Reddy Nerella**

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 **PROFESSIONAL SUMMARY**

* **Java Full Stack Developer with 5 years** of experience in developing enterprise, distributed web applications using **JAVA/J2EE**. Expertise in developing applications using different frameworks and technologies like **Struts, Hibernate, Servlets, JSP, JDBC, JMS and EJB**.
* Expertise in developing applications using **Spring MVC, Spring AOP, Spring DI, Spring JDBC, Spring IOC, Spring ORM, Spring Security, Spring Batch, Spring Boot, Spring Data.**
* Excellent Proficiency with **DHTML, XHTML, HTML5, CSS3, SASS, LESS, JavaScript, jQuery, AngularJS, BackboneJS, ReactJS, ExpressJS, Node.JS, AJAX, JSON, Dojo Toolkit, PHP and Adobe Creative Cloud.**
* Application development experience using **Multithreading**, **Serialization**, **Externalization**, **Collections, Lambda's,** **Generics** and **JFC (SWING, AWT, JAVA 2D).**
* Experience in **Service Oriented Architecture(SOA), Web Services** Design, Development using **SOAP, RESTful, WSDL, XSD, JAX-WS, JAX-RS, UDDI, Apache Axis, CXF.**
* Expertise in developing **Object Relational Mapping** using **Hibernate** and **Oracle**. Strong knowledge on **Hibernate** and in using **Hibernate Connection Pooling, HQL, Collections, Hibernate Caching, Hibernate Transactions, Optimistic Locking.**
* Experienced with **XML** related technologies such as **XML, XSL, XSLT, DTD, Schema, XPath, DOM, SAX and JAXB.**
* Experience in Cross browser compatibility testing and intellectual challenges in **User Interface (UI),** **Responsive** **Web Design** and Specialized in developing **Web 2.0 Apps** using core **JQuery** along with **AJAX/JavaScript**.
* Good knowledge of using **JavaScript testing frameworks, Jasmine,** **Karma and QUnit** and Experience in a **JavaScript Code Quality Tools** are **JSHint, JSLint**.
* Experience in consumingboth **XML & JSON data** **RESTful web services** usin**g Angular 5 and Angular 7.**
* Experience in **Package Manager** of **NPM** and **Bower** and set **Gulp** and **Grunt** tasks under **Node.js** environment.
* Experience in writing Build Scripts using **Shell Scripts, ANT, MAVEN** and using **CI (Continuation Integration)** tools like **Continuum, Jenkins and Hudson.**
* Experience in **Object Oriented Analysis and Design (OOAD)** using **Unified Modeling Language** **(UML)** and **Rational Unified Process (RUP) using Rational Rose, Enterprise Architect and MS Visio**.
* Expertise in **Troubleshooting and Debugging** the code with **developer tools such as Bugizilla, Firebug, IE Developer Tool and Google chrome web developer plug-ins.**
* Has vast experience in Relational Databases like **Oracle, MySQL, DB2, SQL and PL/SQL**.
* Hands On Experience on **NoSQL** Document Store databases such as **MongoDB, Cassandra.**
* Experience with multiple Servers like **Apache Tomcat, IBM WebSphere, WebLogic, JBoss and Glass fish.**
* Successful in **Agile - SCRUM, Test Driven Development, Prototype Development and Waterfall Software Development Methodologies.**
* Experience with both **Version Control** (**Git, Subversion, CVS, Tortoise SVN, Perforce)** and **Cloud Hosting Providers** (**Heroku, AWS**).
* Excellent analytical, logical and programming skills, Self-Motivated, Self-Starter, Team Player can work with minimal supervision with effective Communication skills and Time management skills.

**TECHNICAL SKILLS**

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| **JAVA Frameworks and Technologies** | Spring, Spring Core, Spring MVC, Spring AOP, Spring DI, Spring JDBC, Spring IOC, Spring ORM, Spring Security, Spring Boot ,Spring Tool Suite, Hibernate, JSP, JSF, JSTL, Junit, Log4j, Apache Struts 2, Oracle WebLogic, Servlets, JFACE, JDBC, EJB, Java RMI, JNDI, JAX-WS, JAX-RS. |
| **UI Development Technologies and Frameworks** | DHTML, XHTML, HTML5, CSS3, SASS, LESS, Stylus, JavaScript, jQuery, JSON, Data Tables, AngularJS, Angular 5, Angular 7, BackboneJS, Bower, Node.JS, HTML5 Boilerplate, Gumby CSS, Pure.CSS, Skeleton CSS, Animate.CSS, Post CSS, Normalize.CSS, Bootstrap and Zurb Foundation. |
| **Software Development and Management Tools** | Eclipse, IBM RAD, Adode Dreamweaver, Rational ClearCase, Rational ClearQuest, Bugizilla, Firebug,, Rational Rose XDE, Mantis Bug Tracker, JIRA, JSHint, JSLint, Apache Ant, Apache Maven, Grunt, STS, Intellij IDEA, |
| **Software Development and Test Methodologies** |  TDD, SDLC, OOAD Principles, UML, Unit Testing, Testing Methods and Levels, Agile - SCRUM, Waterfall Model |
| **Database Management** |  SQL, MySQL, PL/SQL, Oracle, DB2, Microsoft Management Studio, MongoDB,  |
| **Web/Application Servers** | Apache Tomcat, Oracle WebLogic Server, IBM WebSphere Application Server, Apache HTTP Server, JBoss, Wampserver. |
| **Operating Systems** | Microsoft Windows, UNIX, LINUX |
| **Other Languages and Technologies** | C, C++, Data Structures, Scala, Python, PHP, XML, Content Management System, Joomla, Drupal, Wordpress, Azure, Heroku, AWS |

**PROFESSIONAL EXPERIENCE**

**CAPITAL ONE**

**Plano, TX Feb 2020- Current**

**Title: Java Full Stack Developer**

Capital One Financial Corporation is an American bank holding company specializing in credit cards, auto loans, banking, and savings accounts, headquartered in McLean, Virginia with operations primarily in the United States. It is on the list of largest banks in the United States and has developed a reputation for being a technology focused bank.

**Roles and Responsibilities:**

* Actively involved in Analysis, Design, Development, System Testing and User Acceptance Testing. Successfully followed Sprint planning and estimation for user stories in Agile Environment.
* Developed the User Interface using **JSP, HTML5, CSS3, JavaScript** and enhanced response using Bootstrap services like JDBC, JMS, and JTA.
* Developed User interfaces and prototypes for web-based internal system using **Angular 5, Angular 7, HTML5, CSS3, SASS, Wijmo, NGRX Typescript, JavaScript, jQuery, AJAX and Bootstrap.**
* Developed the application using **Java 1.8** and implemented its features like **Lambdas Expressions, Time API, Streams, functional interfaces, collectors, default methods, type interfaces, and for each.**
* Used **AWS SDK** for connection to **Amazon S3** buckets as it is used as the object storage service to store and retrieve the media files related to the application.
* Developed **AWS Lambda Functions** in a stateless style and ensure there is no affinity between and compute infrastructure to manage the servers and run the code in the AWS.
* Created **Docker images for launching containers on AWS EC2** and Expert in using Docker for Environment provision solution.
* **Implemented Micro Services using Spring Boot, Spring Cloud, Spring Data, Micro Services and enabled discovery using Netflix Eureka Server.**
* Used the **Spring IOC** feature to get **Hibernate** **session** factory and resolve other bean dependencies also used Spring AOP features for solving cross-cutting concerns.
* Writing services in **Spring Boot**, running, and deploying them in cloud.
* Implemented Batch jobs to deal with large number of chunks using **Spring Batch Framework** to execute the similar jobs simultaneously.
* Developed the persistence layer using **Hibernate Framework**, created the POJO objects and mapped using Object/Relational Mapping Hibernate annotations and Transaction Management.
* Create and configured the continuous delivery pipelines for deploying micro services and lambda functions using **CI/CD Jenkins server.**
* Achieved synchronization of multiple threads through **Multithreading, Exception Handling and optimized time complexity by using built-in data structures in Collections.**
* Secured the **REST API's** by implementing **OAuth2** token-based authentication/authorization scheme using spring security.
* Worked on **REST APIs**, and **Elastic Search** to efficiently handle and searching JSON data.
* Used **JIRA** tool for Issue/bug tracking, monitoring of work assignment in the system.
* Code review using sonar tools and correcting the code base on the Sonar Report
* **Log4J** was used to monitor the error logs and used **GIT** as version control tool.
* Followed Maven build life cycle to build the application and deployed into WebSphere application server.
* Developed test cases and performed unit testing using JUnit.

**Environment**: Agile Methodology, Java 1.8, HTML5, CSS3, JavaScript, Ajax, Angular 5, Angular 7 Bootstrap, Foundation, J2EE, Spring (IOC, AOP, MVC, JPA), Spring Boot, Spring Security, micro services, Hibernate, WebSphere, Apache Camel, Agile TDD, RESTful, JSP, JMS, JTA, MongoDB, Kafka, Oracle, PL/SQL, Selenium, Maven, Log4j, JUnit, Selenium, Jenkins, GIT, Docker, Elastic Search, AWS EC2, S3, IAM, VPN, JIRA

**ESO SOLUTIONS**

**Austin, TX April 2019- Jan 2020**

**Title: Java Full Stack Developer**

 ESO Solutions Inc. develops electronic patient care software. The Company's software products provide reporting, management, clinical, and operational functions. ESO sells their products to public and private emergency medical services and fire organizations in the United States.

**Roles and Responsibilities:**

* Involved in Preparing System and Business Requirements and Detailed Design document for the project.
* Actively involved in Analysis, Design, Development, System Testing and User Acceptance Testing.
* Successfully followed Agile Methodology in the Scrum Cycle model.
* Used Java -J2EE patterns like Model View Controller (MVC), Business Delegate, Data Transfer Objects, Data Access Objects, factory patterns.
* Designed and developed the End Points (Controllers), Business Layer, DAO Layer using Hibernate, using Spring IOC (Dependency Injection).
* Worked on Spring Security for application authentication.
* Modified the Spring MVC, REST Controllers and Services classes as part of spring framework.
* Used Spring Framework AOP Module to implement logging in the application for application status.
* Used Spring DAO Module along with Struts Framework to deal with Database.
* Spring MVC Framework IOC (Inversion of Control) design pattern is used to have relationships between application components.
* Used Spring MVC Transaction Management, Spring/Hibernate Batch Transactions and Hibernate cache concepts.
* Used JMS for the asynchronous exchange of critical data and events among J2EE components. Publisher-Subscriber method was used for data loading and Point-To-Point was used for event processing.
* Designed, developed a custom, single-page, responsive web application on front end using AngularJS.
* Upgraded existing UI with HTML5, CSS3, JQuery and Bootstrap with AngularJS and Angular 7 interaction.
* Worked on updrading the existing UI code from AngularJS to Angular 7 by writing an hybrid app by upgrading from ng1 app to ng2 where the hybrid app can run simultaneously using both ng1 and ng2 by exchanging data between them.
* Developed various generic JavaScript functions used for validations.
* Used Hibernate framework for back end development and Spring dependency injection for middle layer development
* Used Hibernate Transaction Management, Hibernate Batch Transactions, and cache concepts.
* Used DAO pattern to fetch data from database using Hibernate to carry out various database.
* Involved on development of Rest Web Services using JAX-RS in a spring based project.
* Consumed Web Services to use implementation which is present in different platform.
* Develop REST endpoints by implementing Spring controllers and service layer classes.
* Extensively worked on spring as framework and producing SOAP Web Services and REST as a part of the project development.
* Used JAXB parser for marshaling and unmarshaling.
* Web services tested using SoapUI tool.
* Worked on Drools Rule Engines with corresponding to validate the business User Roles.
* Developed, and debugged the Servlets and EJB with WebSphere Application server.
* Managed and maintained Oracle Databases.
* Used Maven Scripts to build and deploy applications and worked closely with build team to resolve CI, Maven site and Report Issues.
* Working with JBoss BRMS Rule engine to implement Complex Business validations for Allocation and Simulation functionalities.
* Worked on Smoke Testing and Acceptance Testing with Selenium in multiple java platforms and performed unit testing using JUnit.
* Familiar with Cucumber, Selenium Web Driver, Selenium commands and x-path.
* Created tables and worked on SQL and PL/SQL to write Stored Procedures functions, Triggers, views and packages for complex Inserts and updates in the database.
* Used JIRA to assign, track, report and audit the issues in the application.

**Environment**:J2EE, Spring framework, Spring MVC, Spring Security, Spring quartz, Drools, Jira, JDK 1.8/1.7, Hibernate 4.x, JSON, JSF, , AJAX, Web services , EJB, JMS, Cucumber, Selenium , Web Services, SOAP, RESTful, Angular JS, Angular 7, XML, Java Beans, XStream , SOA, WSDL, JAXB, JSON, Apache POI, JavaScript, Oracle 11g, Eclipse Indigo RCP, Bower, Web Sphere MQ, Agile Methodology, SQL, PL/SQL, Mongo DB, Design Patterns, Apache Maven , JUnit, Html Unit, XSLT, HTML/DHTML.

**VERITIV**

**Fairfield, OH May 2017- March 2019 Title: Full Stack Developer**

Veritiv Corporation is a Full-Service Strategic Distribution Company Offering Business-To-Business Solutions Including Packaging, Print and Paper, Publishing, Facility Solutions and also a provider of Logistics and Supply chain management services. Veritiv is a High-Performance Building Advisors help customers across North America improve building marketability and Sustainability, and increase worker productivity by applying technology and green cleaning principles across all types of facilities.

**Roles and Responsibilities:**

* Designed and implemented application using **Angular 4, JavaScript, Spring IOC, Spring MVC.**
* Developed **Spring Beans and configured Spring using Annotation**.
* Used **Spring Framework** at Business Tier and also Spring's Bean Factory for initializing services.
* Developed **Spring Controllers, Image Resolver and logic for data exchange between views and controllers by using Spring MVC**.
* Implemented business layer of the application using **Spring MVC, Spring AOP, Spring IOC**.
* Developed View layer of the **Spring MVC based module using JSP**.
* Implemented Exception Handling for the application using **Spring AOP**.
* Developed custom card range naming, alias definition, tagging and management page for Value Proposition application using **HTML, CSS, JS, Angular 4** and **REST API** based CRUD operations along with **Spring DAO** with **Hibernate JPA.**
* Used **Spring Security** to develop Login and Logout features of the application
* Implemented **business layer** to Database interaction using **Hibernate ORM**.
* Involved in design and development of **RESTful** Services.
* Developed **Restful web services** using **JAX-RS in JERSY** to expose the data to **Spring module**.
* Migrate existing legacy web pages to new web apps platform that uses **Angular framework**, new grid system and **RESTful API** endpoints
* Called **Rest Web Services** through **Angular 4** Services to get **JSON** Object and modified the response object to display in UI.
* Implemented form validations across the site using **jQuery and JavaScript**.
* Created **Mock-up designs and developed** various functionalities with **JavaScript and jQuery**.
* Developed Modal pop-ups compatible with **Angular 4** for **responsive web design** on mobile devices.
* Developed several Micro services as part of the project using **Spring Boot**. .
* Involved in **J2EE Design Patterns** such as **Data Transfer Object (DTO), DAO, Value Object and Template**.
* Cooperating with the back-end developer in the process of building the **REST API**.
* Used **Rabbit MQ** for transport of data in Queue in between components of the application.
* Used **Spring Batch** to develop batch processing to handle bulk collections of data from database.
* Used Partitioning mechanism in **Spring Batch** by partitioning of input data and feeding them to concurrent versions of a batch application.
* Made use of Jackson as a **JSON** processor to establish communication between **Spring MVC and Angular 4**
* Used **packaging Manager** Tools **Bower, NPM.**
* Used **Gulp** as the **JavaScript task runner** for the application.
* Used **Karma and Jasmine** for **JavaScript unit testing**.
* Used **Spring IOC, AOP modules** to integrate with the application.
* Worked on **Mongo DB** concepts such as locking, transactions, indexes, replications, schema design.
* Performed functional testing using **Selenium** Web driver.
* Performed Unit testing of the java modules using **JUnit**.
* Used **Maven** for generating system builds and **Jenkins** for continuous integration.
* Used **Docker** to containerize application by configuring properties, variables for build files to be deployed continuously across multiple platforms.
* Designed and developed the application using **AGILE-SCRUM methodology**.
* Using **JIRA** to manage the issues/project work flow.
* Involved in **continuous integration** by generating builds across multiple platforms by using **Jenkins**.

**Environment:** Spring IOC, Spring AOP, Spring MVC, Spring Boot, Spring Security, Spring Batch, Web services using JAX-RS in Jersey, RESTful, JMS, Rabbit MQ, IntelliJ IDEA, JavaScript, JQuery, AJAX, HTML5, CSS3, Angular 4 , Mongo DB, Karma and Jasmine, Eclipse, Bower, NPM, JUnit, Selenium, Maven, Jenkins, JIRA, GIT, IntelliJ, AGILE-SCRUM, Docker.

**LEITNER SHRIRAM MFG LTD**

**Tamil Nadu, INDIA July 2013- April 2015**

**Title: Java/J2EE Developer**

 Leitner Shriram Manufacturing Ltd is an Indo European Joint Venture between Shriram EPC Ltd., and Leitner Technologies to world-class LEITWIND Wind Electric Generators. The application was developed combining two layers: Employee Services System, and Managerial Services System. Employee Service System contained personal responsibilities, reminders, contacts, email services, project planning while the Managerial Service System included all the functionality of Employee Services System along with capability to manage and access employees’ information.

 **Roles and Responsibilities:**

* Involved in Functional and Detailed Design documents.
* Extensively used **agile development** methodology and project planning.
* Worked on development of **Struts** based **UI screens** for the Presentation application.
* Involved in Writing Action classes, Action Forms and Action **Mapping** in **Struts Config xml**.
* Extensively used the **J2EE** design patterns like **Session Façade, Business Object (BO), Service Locator, Data Transfer Object (DTO)** and **Data Access Object (DAO), Singleton, Factory**.
* Involved in writing **EJBs** (Sateless Session Beans) and **Web Services** for building the middleware distributed components and deployed them on application servers.
* Developed Web Services to integrate with the External System.
* Extensively worked with **XML** using **DOM** and **SAX parsers** for transferring the data between different components..
* Involved in development of User Interface using **XSLT, HTML, Javascript, Ajax, DOJO and JSTL**.
* Worked extensively on **XML** for parsing messages through **JMS Queue** and updated the database.
* Involved in implementing the Message Oriented Middleware for Asynchronous communication in **Enterprise application.**
* Developed **Web services** to allow communication between application through **SOAP over HTTP** using **Metro JAX-WS.**
* Extensively worked on **Web Services** using **JAX-RPC** and used CXF Proxy for client generation.
* Used **JUnit** as a part of unit testing for all the **Web Services** produced.
* Used **XML, JSON** to transfer data and messages to and from **Web Services**.
* Developed, and debugged the **Servlets and EJB** with **WebSphere Application server**
* Used Apache **JMeter** to perform basic load and stress testing on web application environment.
* Involved in writing the publishers and subscribers to the Topics and Queues.
* Implemented the **Hibernate framework (ORM)** to interact with database.
* Implemented **spring MVC framework** for application transaction management.
* Developed various **SQL queries and PL/SQL Procedures** in Oracle db for the Application
* Involved in Application/data base query performance Tuning.
* Implemented a logger framework for the application using **Log4J**.
* Used **Clear Case** as the source control system.
* Involved in **JUNIT testing** for the unit testing.
* Used **Apache CXF** as the Web Services framework to implement the **REST APIs** involved.
* Automated the build process by using **ANT build tool**.
* Actively involved in getting the production issues resolved.

**Environment:** WebLogic Application Server, J2EE, EJB, JMS, MDB, Java Swing, SWT, JFACE, Web Services, SOAP, RESTful, XML, XSD, UML, Rational Rose, Clear Case, Oracle DB, Eclipse, LOG4j, Struts, Hibernate, spring, Eclipse RCP, SWT, JFACE , Servlets, JSP.