**Chandana Rayala**

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PROFESSIONAL SUMMARY

* Over 8+ years of progressive experience in software design and development with an earned reputation for meeting deadlines and delivering mission critical solutions.
* Very good knowledge of all the **Object Oriented Programming** concepts (Inheritance, Encapsulation and Polymorphism).
* Experience in developing web based, client/server applications using **J2SE, J2EE, Servlets, JSP, JSTL, EJB, CSS, XML, RMI, JMS, Java Beans, JDBC, JavaScrip**t.
* Proficient in **Developing MVC framework** using **Struts, Spring.** Knowledge in **ORM (Object Relational Mapping) Tools** like **Hibernate.**
* Controlled complex page navigations using **Spring Web-flow** by configuring the transitions and state changes in xml files and the corresponding beans in the spring configuration file.
* Experience on unit testing and generating of test cases using **Junit**.Used **Clear Quest, Jmeter, Bugzilla** for bug tracking**.**
* Good exposure to Java Web Services development using **SOAP**, **REST**, **WSDL**&**UDDI.**
* Expertise in developing **XML** documents with **XSD** validations, **SAX** and **DOM** parsers to parse the data held in **XML** documents.
* Experienced in the functional usage and deployment of web applications in **JBOSS, WebLogic, WebSphere** and **Apache Tomcat.**
* Extensive experience in **Eclipse IDE,** and also **w**orked with **NetBeans, Toad.**
* Strong Experience in database connectivity (JDBC) for databases like **Oracle, SQL Server, MySQL.**
* Developed **stored procedures** and queries using **SQL**.
* Experience in writing **ANT, Maven build scripts**, providing logging facility using **Log4j**.
* Good knowledge with versioning tools like **GIT, SVN** and **CVS.**
* Expertise in developing Web based Distributed and Front End applications in a three-tier architecture using **Java, J2EE, HTML5, CSS, AngularJS, JSP, Servlets.**
* Worked on continuous integration and continuous development toolslike **Jenkins and Bamboo.**
* Having Knowledge of **Agile** Software Development Methodology.
* Worked on Aspect Oriented Programing (**AOP**) and had written point cuts.
* Developed several pieces of the **JSFengine**, including bean discovery, value bindings, method bindings, component bindings, and event generation.
* Developed Integer and Date **JSF components** to support user entry of integer and date (month/day/year) values with internationalization.  Wrote the **Java** classes for the components, tags, and renderers.  Also wrote the **JavaScript** code to do **client-side validation** in all major browsers (**IE**, **Netscape**, **Mozilla Firefox**, **Opera**, etc.)
* Good experience in Software configuration management using Rational Clear Case/Visual Source Safe. Experienced with **Object Oriented Design** (OOD) and **Object Oriented Analysis** (OOA), **UML** and associated Tools such as **Rational Rose**.
* Experience in developing **UML use cases, Level 0, Process Flows** andwork in **collaboration** with System Engineers to build **System Level Deployment Diagrams** (SLD) using Microsoft Visio.
* Involved in core java development for different components. Developed the application using **multi-threading**, **spring core**, **beans**.
* Worked on JMS service for multicasting the data among various system.
* Expertise at **JDBC API** for connection and access to databases.
* Experience in **integrating UI code with server side platforms**.
* Proficient in analyzing and translating **business requirements to technical requirements** and architecture. Have designed and implemented multiple projects on **Multi-tiered architecture**.
* Prepared technical designs, coding guidelines and other technical documents Experience in preparing project related documents using Microsoft Office Suite like **MS-Office, MS-Excel, MS-PowerPoint** and **MS-Visio,**delivered training for new members of team. Mentored junior team members.
* Self-motivated and able to work in challenging environment.
* Ability to learn and adapt quickly to new environments and emerging new technologies.
* An enthusiastic individual with result- oriented and efficiency enhancement skills.

TECHNICAL EXPERIENCE

**Programming Languages :** Java

**J2SE Technologies :** Core Java, Collections, Threads, I/O

**J2EE Technologies :** Servlets, JSP, JDBC, JNDI, JSTL, Web Services

**Frameworks :** Spring, Struts

**UI Frameworks** : JQuery, AngularJS

**ORM :** Hibernate

**Database :** MySQL,Oracle, MS-Access, IBM DB2

**Query Language :** SQL, PL/SQL

**Application Server** : Apache Tomcat, JBOSS, WebSphere, WebLogic

**Internet Technologies :** HTML, XML, XSD, DTD, JAVASCRIPT, CSS, DHTML, JSF

**Development Tools & IDE** : Eclipse, NetBeans, Edit Plus, Maven, Ant

**Version Control**  : GIT, CVS, SVN

**Design Tools :** Microsoft Visio, Rational Rose

**Design Patterns :** MVC, DAO, Value Object, Singleton

**Education:**

B.Eng. in Computer Science and Engineering.

PROFESSIONAL EXPERIENCE

**Atos, Dallas, TX Jan2017-Till date**

**Java/J2EE Developer**

**Responsibilities:**

* Interacted with Business users and Business Analyst to gather requirements.
* Prepared sample code and applications for displaying various outcomes of API applications
* Involved in the analysis & design of the application using **UML** with Rational Rose.
* Generated Use case diagrams, Class diagrams, and Sequence diagrams using **Rational Tool Suite.**
* Extensively used **Eclipse IDE** for building, testing, and deploying applications.
* Used Design Patterns like **Factory**, **Singleton**, and **Value Object** and **DAO** pattern.
* Developed **Maven scripts** and developed builds using **Maven** and continuous integration servers like **Jenkins.**
* Monitored the error logs using **Log4J** and fixed the problems.Worked on**MVC frameworks** like **Spring** and **ORM** tools like **Hibernate** and **JPA**.
* Developed the whole frame work for the projects, based on **Spring MVC.**Used**Spring dependencyinjection**, **annotations** and Spring MVC components to implement business layer and navigation part of application.
* Implemented **session beans** to handle business logic for fund transfer, loan, credit card & fixed deposit modules.
* Involved in development of **Spring DAO layer** which invoked database queries.
* Extensive use of **HTML, JSTL, JSP** and **JQuery** for the presentation layer along with **Java script** for client side validation.
* Defined new validations through **AngularJS** for the form field validation implemented throughHTML5.
* Implemented persistence layer using **Hibernate** that uses the POJOs (which do not have the business processes) to represent the persistence database tuples.
* Interacted with quality assurance team for requirements gathering and analysis.
* Written **JUnits** for unit level, functional level test cases.
* Oversaw these aspects of testing; **Unit, Regression, User acceptance** and **performance**.
* Used **SVN** the version control tool for code commit and update.
* Worked on **Java Collections API** for handling the data objects.
* Used Core java Concepts based on **Multithreading, concurrency** concepts for updating the inventory using the **I/O** concepts.
* Used **Jenkins** to find and solve the defects in a code base rapidly and to automate testing of the builds.
* Introduced mock unit test cases using **Mockito** for code coverage testing.
* Developed Custom Tag Libraries for the use in web pages by using **JSTL** packages for the development of the Web Pages.
* Successfully designed and developed **Java Multi-Threading** based **collector parser** and**distributor** process, when the requirement was to collect, parse and distribute the datacoming at a speed of thousand messages per seconds.
* Implemented **Restful** web services (JAX-RS), which produces both **XML** and **JSON**.
* Implemented Spring AOP to resolve cross cutting references.
* Developed design for Error Handling using **AspectJ** for intercepting exception and log it in DB.
* Worked on error handling using **AspectJ**, written **Pointcuts.**
* Used **Spring Framework AOP Module** to implement **logging** in the application to know the application status.
* Worked on **Sonar Quality Gate.**
* Created the design documents with use case diagram, class diagrams, sequence diagrams using **Rational Rose and UML.**
* Involved in Code Reviews, Defect Fixing and knowledge transfer.

**Environment:** Java, Spring, Hibernate 3.0, JSP, Servlets, JavaScript, Design Patterns, HTML 5, CSS 3, Maven, XML, MySQL, AngularJS, JDBC, UML, JNDI, JUnit, GIT, web services (JAX-RS), Log4J, Web Sphere, Jenkins, Sonar.

**Nuance communications, Reston, VA Jun 2015–Dec 2016**

**Java Developer**

**Responsibilities:**

* Involved in the technical design and created the detail design artifacts such as Use Case Diagrams, Class diagrams and Sequence diagrams.
* Used Spring **MVC** along with **JSP, HTML, CSS**, and **JavaScript** to construct the UI Layer for the application in presentation/Web tier.
* Integrated **Spring Framework** with **Hibernate** forData Persistence.
* Used Hibernate as persistence framework to map java objects to relational database tables using XML configuration files.
* Designed data layer using **JPA**, **Spring JDBC**.
* Implemented complex back-end component to get the count in no time against largesize MySQL database (about 4 crore rows) using Java multi-threading.
* Taken care of **multi-threading** in back end java beans.
* Upgraded existing UI with **HTML5, CSS3** with **AngularJS** interaction.
* Used **Hibernate** to connect with DB2 database to store and fetch data.
* Involved in preparing the High Level and Detail level design of the system using J2EE.
* Implemented the database connectivity using **JDBC** with **Oracle 9i** database as backend.
* Developed **SQL** queries, Joins, PL/SQL sub programs like stored procedures, triggers and functions.
* Used Java-J2EE patterns like **Model View Controller (MVC)**, Business Delegate, Data Transfer Objects, Data Access Objects, factory patterns.
* Used **Spring MVC Transaction Management, Spring/Hibernate Batch Transactions and Hibernate cache concepts.**
* Developed Application to asses **JSON** and **XMl** from **Restful** web service from consumer side.
* Developed the crucial process like: CPD, Streamers and Snaps for data extraction andstreaming where in used collections, multithreading I/O a great deal.
* Used IN MEMORY MySQL database tables for storing the HUGE amount of data 160 GBdata for current day and normal DB engine for storing the historic data.
* **Junit** and test mock implementations.
* Used Spring for dependency injection for plugging in the Hibernate **DAO objects** for the business layer.
* Implemented application logging using **Log4J** framework for logging, debugging and troubleshooting the run time exceptions.
* Performed Unit testing using Chrome **Postman Rest Client**, Junit.
* Implemented client application to consume Claim web services using **JAX-WS** and integrated with UI.
* Used various design patterns in the application: **Singleton**, **Factory**, **Builder** patterns etc.
* Design and Development of High Performance CPD processes by using **multithreadedprocesses** which in turn improved the performance by a lot.
* User grid facade is a **Restful WS** layer providing custom user management functionality over **Cassandra** database.
* **Apache Ant** was used for entire build process.
* Created the design documents with use case diagram, class diagrams, sequence diagrams using Rational Rose, **UML** and **Blasmiq.**
* Developed applications using **RAD IDE** and deployed in Web Sphere server.
* Involved in the application design review, code review and assisted the team in following the recommendations/guidelines.

**Environment**: Java 1.6, J2EE, JSP, Servlets, Hibernate, Spring,AngularJS, Ant, XML, SQL, Oracle 9i, JUnit, HTML, CSS, JSON, RAD, Web Services,Web Sphere.

**SunTrust Bank, Atlanta, GA Oct 2014 – Jun 2015**

**Java Developer**

**Responsibilities:**

* Participated in low level design and requirement understanding with functional team.
* Used **OOAD** and **OOP**’s concept like **Abstraction, Polymorphism, Inheritance, Encapsulation**
* Modularity using Java for designing Interfaces, classes and business methods in Java.
* Extensively used **Java Collections** and Reflection **API.**
* Implemented **multithreading** concepts for caching application data.
* Developed the application using **J2EE** architecture specification and **Design patterns**.
* Developed screens using **JSP, DHTML, CSS, AJAX, JavaScript, spring, Java1.5, EJB3.0 and XML.**
* Used **XMLHttpRequest** Object to provide asynchronous communication as part of **AJAX** implementation.
* Implemented **MVC** architecture using spring and Struts frameworks combined with **EJB 3.0 JPA** for database persistence.
* Used **Struts Tiles Framework** to structure core application webpage layouts and to assemble the JSPs
* Also created various common tags that are used for handling common functionalities like data element filtering, Parent/Child dropdowns etc.
* Developed test harness to test the web services which helps test teams to test web service components independently using various request and response xml
* Used Springs **Dependency Injection** feature and configured Function Action classes as Spring Beans for redirecting the user request to the appropriate class which implements corresponding business functionality.
* Developed Persistence Framework consisting of components like **Persistence Code Generator, Persistence Manager** and **Data Access Objects** which hides JPA complexities and offers transparent access to database.
* Used **SQL/PLSQL** to perform complex database operations and generated various stored procedures, functions for **DML**operations.
* Designed and Developed Presentation Tier using Spring **MVC** and JSP integrating Custom Tags, **JSTL**, **JSP Expression Language.**
* Developed Junit test cases.
* Provided **troubleshooting** and **error handling** support in multiple projects.
* Involved with testing team to determine dependency towards removing bottlenecks and ensuring smooth testing process.
* Involved in various internal releases of the application and supported the application modules during testing and pre-production phases.

**Environment**: J2EE, Spring Framework–2.5, EJB 3.0, JPA, Oracle 10g, TOAD, AJAX, Log4J, ANT, Junit, Web Logic, Eclipse, Rational Clear Case, Web Services.

**John Deere, Des Moines, IA Aug2013 – Sept 2014**

**Application Developer**

**Responsibilities:**

* Analyzing business requirements in an Agile Scrum Sprint based test driven development environment.
* Implemented **Restful Services** using **Spring MVC** and consumed the services.
* Used **SpringAPI’**s for wiring components using dependency injection.
* Used **Spring-ORM** to integrate **Hibernate** and creation of **Hibernate POJO’s**.
* Worked with Spring **JDBCTemplates** for the persistence layer. Developed **dao beans** and **database model.**
* Worked with **spring annotations** as well as configurations files.
* Built the application using **MVC-DAO** pattern and the necessary business logics.
* Implemented presentation tier using JSPs and Servlets.
* Developed email notifications for purchase order, subscription renewal.
* Developed **Junit test cases** and test suits. Worked with mocking framework **easymock.**
* Developed **JUnit test** cases and deployed code only after passing through Test
* Involved in Unit Testing**, User Acceptance Testing (UAT) and Bug Fixing.**
* Involved in **Code Review, Unit Testing** and **Integration Testing**.
* Configured **WebSphere Application server** and deployed the web components.
* Involved in preparing the Detailed Design document for the project.
* Followed agile methodology, interacted with the client, implemented optimal solution and tailored the application to customer needs.
* Used **SVN, CVS, GIT** version control extensively on daily basis for code maintenance as multiple teams were involved in development from both offshore and on site.

**Environment:** Environment: Java 5, J2EE5, JSP/Servlets, Spring, JAX-RS (REST), SQL, Web Sphere 6, Eclipse, Jenkins, JUnit, Easymock, GIT

**Bright communications Inc, Dallas, TX Mar 2012 – Aug 2013**

**Java & J2EE Developer**

**Responsibilities:**

* Implement **MVC** architecture using **Spring** Framework.
* **Business Logic** was implemented using **EJBs**.
* Developed the module of generating task list to the collectors using **Front Controller Pattern and Command pattern** to submit the request from presentation layer.
* Developed, and debugged the **Servlets and EJB** with WebSphere Application server.
* Developed the middle tier using **EJBs, Java Servlets**.
* **Crystal reports** is used for reporting the database details.
* Experience using Version controls such as **CVS, PVCS, and Rational ClearCase.**
* Developed **Entity Beans and Session Beans** for the transactions in the application.
* Entity and Session Beans were created using **Session Facade Pattern** to reduce network calls and enhance transactional capabilities and deployed using **JBoss** application server, Good working experience developing advanced Swing components.
* Extensively worked with the retrieval and manipulation of data from the **Oracle** database by writing queries using **SQL and PL/SQL.**
* Focused on Test Driven Development; thereby creating detailed **JUnit** with **Mockito** tests for every single piece of functionality before actually writing the functionality.
* Involved in the development of client programs which are responsible for transferring messages using **SOAP** technology.
* Build **ANT Script** for the application and used **Log4J f**or debugging.
* Used **JUnit** Framework for the unit testing of all the java classes
* Good Expertise with Swing and Use the Swing component.

**Environment:** Spring, JSP, Servlets, JDBC, EJB 2.x, XML, HTML, CSS, JavaScript, JBoss, WSAD, SQL, PL/SQL, DB2, JNDI, apache AXIS 2, TOAD.

**Ameriprise, Minneapolis, MN Oct 2010- Mar 2012**

**Application Developer**

**Responsibilities:**

* Interacted coordinated with the Design team, Business analyst and end users of the system.
* Created **sequence diagrams, collaboration diagrams, class diagrams, usecases** and **activity diagrams** using **Rational Rose** for the Configuration, Cache & logging Services.
* Built system by integrating with **Spring** framework.
* Used Producer/Consumer components to achieve better page responsiveness.
* Used Hibernate to store the persistent data as an Object-Relational Mapping (**ORM**) tool for communicating with database.
* Designed and Developed **XMLSchema** (XSD) for various services in CCMS application using XML Spy.
* Implemented the GOF design patterns like **Factory, Singleton** and **Command patterns.**
* Implemented the J2EE design patterns like **Service Locator, Session Façade, Business Delegate and Front Controller etc.**
* Involved in designing front-end screens using **Java script, JSP, AJAX, HTML and DHTML.**
* Implemented Java 1.5 new features like generics, auto boxing/unboxing, enhanced for loops etc in the application.
* Worked on the **SOA, WSDL, XML, REST** and Web Services calls to integrate the CCMS application with other systems.
* Integrated **Hibernate** with Spring.
* Worked on **JSF**(rich faces).
* Responsible for unit testing the application using **Junit.**
* Designed and developed **Caching** and **Logging service** using **Singleton pattern, Log4j.**
* Used **Java Mailing** or Messaging Service (JMS) API's for mailing detailed notifications depending upon the success and failure once the backend process is complete and also for mailing administrator of any system related problems.
* Used **Quality Center (QC)** for tracking defects and project management.
* Used **Ant** build script to deploy the application.
* Used **GIT** for the version control management.
* Worked on CI tools like Jenkins
* Used **JIRA** for bug tracking, project management.
* Interaction with the client for design aspects, clarifications and also providing a daily status.

**Environment**: CSS, Java 5.0, Spring 2.0,Jenkins, Hibernate 3.2, Web Services, Web Logic7.0, Eclipse, Oracle 10g, JUnit 4.2, XML, XML SCHEMA(XSD)

**Nichebit Softech Private Limited, Hyderabad, India          Jun2009 – Sept 2010**

**Jr. Java Developer**

**Responsibilities:**

* Design and development of GUI JSP/Spring, Hibernate and coding for search module, develop interface for uploading the gaming software.
* Involved in screen designs, **SRS (Software Requirement Specification**) and documentation of screens with **CSS, JSP, and HTML**.
* Used **Spring Framework's Dependency Injection** (IOC) framework to configure application components
* Used **Spring IOC**, Auto Wired **POJO** and **DAO** classes with Spring Controller.
* Implemented data access tier using **Spring DAO**.
* Responsible for preparing design overview and detailed design using Enterprise Architect.
* Developed DB scripts to parse and load data into database as **cronjobs**.
* Developed DAO layer using **Factory Pattern.**
* Responsible for development of Handler classes, Command Bean classes and DAO Implementation.
* Responsible for development of downloading game module.
* Responsible for design and implementation encrypting algorithms.
* Implemented Web Services using **SOAP/HTTP/XML**.

**Environment:** Java, J2EE, CSS, JSP, HTML, Spring, Hibernate, Eclipse, DB2, Web Service, EJB, Quartz Scheduler, jboss.