**KrishnaPrasad**

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**Professional Summary:**

* 7 and half years of IT experience in design, development, testing, maintenance and documentation of Enterprise applications using various technologies with diverse set of client’s analyzing complex business requirements & mapping them to system specifications.
* Extensive experiences in web based multi-tier enterprise applications & Client / Server Applications using Java/J2EE technologies & have good exposure in Model View Controller (MVC) Architecture based applications using Spring Framework 3.2.2 and Struts Framework 2.3.12 with expertise in presentation, business and database layers.
* Experience in writing applications using Java/J2EE & related technologies such as Hibernate3, EJB3, Struts Servlets, JSP, JDBC, Java Beans, XML, XSL, HTML, SQL, PL/SQL middleware technologies such as Web Services, SOAP and WSDL.
* Experience in developing inter-operable Web Services and its related technologies like SOAP, WSDL, UDDI, XML related technologies/tools such as JAXB, XSD, XML with good understanding of JAX-WS, JAX-RS, JAX-RPC inter-operable issues.
* Experience in developing applications using waterfall, Scrum, Test First, Test Driven methodologies and good understanding of Service orientation architecture.
* Hands on experience in developing web application using Spring Framework web module and integration with Struts MVC framework.
* Configuration of application classes in Spring configuration file.
* Experience in using Spring ORM module and integration with Hibernate ORM framework.
* Expertise in developing rich GUI interfaces using HTML, jQuery, JavaScript, AngularJS, JSP and Servlets.
* Extensive use of Open Source Software such as Web/Application Servers like Apache Tomcat 6.0 and Apache Struts, LOG4J for logging information and exceptions, Apache ANT1.9 for making build scripts, VSS, Clear Case for version control system, Eclipse 3.x, Net Beans 6.x IDE.
* Extensive experience in Struts Tag Libraries and Custom-tag implementations in JSP to embedded business logic.
* Experience on Java Multi-Threading, Collection, Interfaces, Synchronization, and Exception Handling.
* Good experience in writing SQL Queries, Stored Procedures, functions, packages, tables, views, triggers and data connectivity and data integration of Oracle.
* Experience in using Clear Quest, Clear Case, CVS, and Subversion (SVN) for source control and Release Management.
* Proven expertise in implementing IOC and Dependency Injection features in various aspects of Spring Framework (Core, Web, JDBC, MVC and DAO).
* Excellent Communication and Interpersonal Skills with Strong Technical and Analytical reasoning ability.
* Experience in Hibernate which includes integrating legacy databases, writing custom CRUD statements, integrating stored procedures and functions and also performed polymorphic associations.
* Expertise in Object Oriented Architecture (OOA), Design (OOD) and Programming (OOP) from designing and to their implementation.
* Experience in designing Low Level and High Level design documents.

# Technologies : Java J2EE 6.0, JSP, J2EE 6, Struts 2.0/1.1, Servlets, JNDI, Java, JDBC,Web Services, Java Beans, JMS, Hibernate, Spring, XML, Javascript, XSLT, HTML, CSS, AJAX, JUNIT, JPA, Design patterns, Full Stack, AngularJS, NodeJS

# Frameworks/ORM tools: Spring 3.0/2.5/2.0, Struts 2.0/1.1, Hibernate 3.0, Apache Axis2.

# App Servers/ Middleware: WebSphere 7/6.1, Weblogic 11g/10/9/8.1, Tomcat 6.0, JBoss4.x,

# IDE / Programming Tools: Eclipse 2.1/3.7, NetBeans 7 , STS 3.4.0

# Operating System: UNIX, Linux, Windows NT/XP/7/8.

# Scripting Language: JavaScript, JQuery, Python

# Database/Tools: Oracle, MS SQL Server 2005, MySQL

# Libraries and Tools: Ant, Maven, Rational Rose

**Work Experience**

**State Of Michigan(SOM) Jan 2014 to Present**

**Lansing, MI**

**Sr.Java Web Developer**

**Project: JClarety Retirement System**

**Description:**

JClarety Retirement System is a framework based JEE solution which can be customized for complex Public Retirement systems that contains reusable software components that can be utilized to automate common functions within public retirement systems, including Enrollment, Service Credit purchases, Benefit payments, Benefits estimates, Health care, Customer Services, Payroll, Taxes, Security, Employer Self Service, Member Self Service, Admin Services and Automatic Clearing House (ACH) payments.

**Roles and Responsibilities:**

* Developed Business logic using J2EE, JSP, Servlet and Spring Bean Classes.
* Developed various UI (User Interface) components using Struts (MVC), JSP, and HTML.
* Interacted with end applications and performed Business Analysis and Detailed Design of the system from Business Requirement documents.
* Design and Development of Objects using Object Oriented Design in Java.
* Extensively used Hibernate Query Language (HQL) and Criteria based queries to work with Oracle databases.
* Created security certificates and established secured connections between Application Servers and Web Servers.
* Used Spring framework, Spring-AOP, Spring-ORM, Spring-JDBC modules.
* Worked on Sun Jersey REST framework to create web services.
* Worked on Annotations in creating hibernate entities and for writing named queries.
* Database handling, Multithreading, Synchronization, Communication.
* Involved in Trouble Shooting and Customer Support.
* Developed the Spring AOP Programming to configure logging for the application
* Implemented application level persistence using Hibernate and Spring.
* Developed user interface using JSP, HTML, XHTML, XSLT and Java Script to simplify the complexities of the application.
* Developed the Servlets for processing the data on the server.
* Used Subversion for software version control.
* Created test plans and JUnit test cases and test suite for testing the application.
* Worked in Agile environment with active scrum participation.

**Environment:**

Java, Servlets, JSP, Struts, Spring, Hibernate, XML, CSS, AJAX, HTML5, Rational Clear Case, Microsoft Visio, WebSphere Application Server, Java Script, REST Web Services, Jersey, Apache CXF, JQuery, AJAX, Oracle, CRUD, SQL, UML, JUNIT, MAVEN, UML, Netbeans, ANT, Agile

**Bank of America, Hopewell, NJ September 2012 to Dec 2013**

**Java/J2EE Developer**

**Project : CCRM (Currency Conversion Risk Management)**

**Description:**

CCRM project is developed with the aim to allow consumers to pay easily and securely on a Merchant’s Ecommerce, Mobile Web, and Mobile Apps around the world and minimize loss incurred due to currency conversion risks. The Platform provides the ability for Visa to centralize maintenance of consumer’s payment information and their saved shipping addresses which are leveraged to determine currency in customer location vs currency in merchant location. The payment information is provided to the merchant, which then executes the transaction in pre-defined currency format.

**Roles and Responsibilities:**

* Involved in various phases of Software Development Life Cycle (SDLC) of the application like Requirement gathering, Design, Analysis and Code development.
* Developed multi-threading projects, considered concurrency situation and security aspect, avoid of SQL injection. Using synchronized method and synchronized variable.
* Developed a prototype of the application and demonstrated to business users to verify the application functionality.
* Involved in developing interface for web pages like user registration, login, registered access control for users depending on logins using HTML and Java Script/DOJO.
* Single Page Application development using AngularJS, backed by MongodB and NodeJS
* Provided technical guidance to business analysts, gather the requirements and convert them into technical specifications/artifacts.
* Developed web pages to display the account transactions and details pertaining to that account using DHTML and CSS.
* Configured Spring to manage Actions as beans and set their dependencies in a context file and integrated middle tier with Struts web layer.
* Wrote JavaScript validations to validate the fields of the user registration screen and login screen.
* Dealt with Hibernate open source ORM frame work for persistence management.
* Designed a network of web pages, where the user progresses through an application by selecting links, resulting in the next page being transferred to the user and rendered for their use using REST.
* Participated in front end development using Java Server Faces 2.0 (JSF), JavaScript, HTML 5, CSS 3.0.
* Used JBoss, an application server, to implement the Java Platform Enterprise Edition, create applications and to integrate applications with other applications.
* Created continuous integration builds using Maven and SVN control
* Used log4j for tracking errors and debugging the code.
* Implemented Spring MVC architecture and increased modularity by allowing the separation of cross-cutting concerns using Spring AOP.

**Environment:**

Java/J2EE, Spring, Hibernate, Web services, Servlets, JavaScript, JSF, JSP, HTML5, CSS3, XML, ANT, AJAX, Angular Js, Junit, SOAP, Rest Ful , JDBC, Tomcat, JBoss

**Erie Insurance, PA Jan 2012 to August 2012**

**Java/J2EE Developer**

**Project: Benefit Administrator**

**Description**:

Benefit Administrator is a Client Website application used by Account Management to document Client requirements, installs and update benefits for functional areas. It is mostly based on benefits of Insurance. It is a data repository and an auditable system of record for all Client requirements. The project consists of multiple modules, like CBM (client benefit manager). It manages the status of each Client requirement from initial entry through functional area review and Client approval process.

**Roles and Responsibilities:**

* Developed Web based User Interface using JSP, JSTL, Struts Tag Library and Struts framework.
* Developed validation component using Struts common's validator framework to validate data, based on the requirement developed validation rules to accommodate special business rules.
* Developed Service components by publishing business logic in Simple POJO, exposed them as Stateless session beans and SOAP Web Services.
* Developed Persistence components using DAO design pattern, Hibernate,
* Designed and developed cross logging (concerns/common reusable) components as aspects using log4j, slf4j, and spring AOP.
* Configured different layer (presentation layer, server layer, persistence layer) of application using spring IoC and maintained the Spring Application Framework’s IoC container.
* Developed unit test cases for all possible scenarios/ sequences associated with Currency module using JUnit. Developed integration test using JUnit, Mock Interfaces and JMock.
* Used Hibernate to persistent the data into database and written HQL to access/update the data from/ to the database
* Used JMS to send the customer notifications via emails. Developed Message Driven Beans to send email notifications.
* Developed Maven POM to build the application.
* Configured, packaged, and deployed the application in WebLogic server in different environments.
* Monitored the logs for Errors, Warning messages using Log4J and fixed the problems
* Used CVS as version control system for the source code and project documents.
* Actively involved throughout the life cycle of the project from requirements gathering to maintenance and optimizing the system.

**Environment:**

JSP, JSTL, JNDI, Java Script, JMS, UML, CVS, ANT, JUnit, Struts, Spring, Hibernate, Sun Solaris, Linux, Oracle, PL/SQL, CVS, Toad, WebLogic

**Citizens National Bank, Chicago, IL March 2010 to December 2011**

**Java/J2EE Developer**

**Project :Asset Management and Processing Unit**

**Description:**

Worked as a Systems Engineer on a Java Web based online application for Citizens National Bank. This online application offers Banking and Investment services for high net-worth customers. Every customer has one Relationship Manager who is assigned by Citizens National Bank or by themselves. This application is devised for tracking and monitoring customer's portfolio online, managing transactions, transferring funds, educating the customers by sending news letters and emails and some additional functionality for the Bank Manager. The Private Banking also provides messaging services between Customers and Managers.

**Roles and Responsibilities:**

* Implemented Transfer Funds, Messaging Service Modules using Struts and Tiles Framework with respect to Model-View-Controller (MVC2) Architecture.
* Developed various components like Statefull Session, Message Driven Beans to fulfill Business Logic.
* Used JMS for reliable and asynchronous exchange of important financial information.
* Implemented persistence layer using Hibernate that use the POJO classes to represent persistent database tables.
* Consumed Web Services using WSDL and SOAP for transferring funds to other financial institutions.
* Used XML Parser API such as JAX-RPC in the web services request/response data for marshaling and un-marshaling.
* Designed and developed data access layer using Data Access Object (DAO), Session Façade, Business Delegate and Singleton design patterns.
* Involved in Database Design and Development.
* Developed Stored Procedures, Triggers, Functions and Cursors for efficient usage of data from MY SQL Database.
* Used Log4J to capture the log.
* Developed test cases and performed unit testing using JMock.
* Build application using Ant Scripts.
* Used CVS for Version control across common source code used by developers.

**Environment:**

J2EE 1.3, JSP 1.2, Struts 1.2, Hibernate 3.0, JMS, JNDI, MY SQL, MQ Series, MS Access 2000, HTML, XML, ANT, WSDL, SOAP, SOA, Axis 1.3, ANT, Eclipse, Web Logic 8.1, LOG4J, CVS, JMock, Windows.

**Cerner, Kansas city May 2009 to February 2010**

**Java Developer**

**Project :** Physician Office Management System

**Description:**

Physician Office Management System (POMS) is a product to generate the bills and to maintain the patient Insurance details. Product having the generation of billing reports, scheduling the patients and maintaining Payer records in the system. POMS is categorized for the different personalities in the practice like Admin, Physician, Billing Clerk, and Nurse. There is a message center for the communication between the above mentioned personalities.

Roles and Responsibilities:

* As part of the lifecycle development prepared class model, sequence model and flow diagrams by analyzing Use cases using Rational Tools.
* Involved in developing the user interface using JSP.
* Reviewing and analyzing data model for developing the Presentation layer and Value Objects.
* Extensive use of Struts Framework for Controller components and view components.
* Involved in writing the exception and validation classes using Struts validation rules.
* Involved in writing the validation rules classes for general server side validations for implementing validation rules as part observer J2EE design pattern.
* Used Hibernate for the persistence of the project.
* Spring framework was used for dependency injection and was integrate with different frameworks like Struts, Hibernate
* Developed various java objects (POJO) as part of persistence classes for OR mapping.
* Developed web services using SOAP and WSDL with Axis.
* Involved in working with JMS MQ Queues (Producers/Consumers) in Sending and Receiving Asynchronous messages via MDB’s.
* Developed, implemented, and maintained an asynchronous, AJAX based rich client for improved customer experience using XML data and XSLT templates.
* Involved in writing the parsers for parsing and building the XML documents using SAX and DOM Parsers.
* Developed SQL stored procedures and prepared statements for updating and accessing data from database.
* Development carried out under MyEclipse Integrated Development Environment (IDE).
* Used JBoss for deploying various components of application and MAVEN as build tool and developed build file for compiling the code of creating WAR files.
* Used CVS for version control.
* Performed Unit testing and rigorous integration testing of the whole application.

**Environment**:

Java, J2EE, JSP, JMS, Strut2, JBoss 5.1, MyEclipse, Hibernate, JSP, JSTL, AJAX, CVS, JavaScript, HTML, XML, MAVEN 2.x , SQL, Oracle, SAX and DOM Parser, EasyMock, WebService(SOAP,WSDL), SPRING.

**Tata Consultancy Services, Chennai, India March 2008 to April 2009**

**Java Developer**

**Project:** TCS Master Craft Build Suite-Application Lifecycle Manager (ALM)

**Description:**

TCS Master Craft Build Suite-Application Lifecycle Manager (ALM) is a collaborative QA platform that enables development of high quality software with short time-to-market. It provides a structured approach to managing Requirements, Test and Defect Management processes with a focus on collaboration, traceability across people and processes.

Roles and Responsibilities:

* Designed and developed web based UI using JSP, Ext-JS, Struts and developed action classes to handle the user request.
* Developed the User Interface validation frame work in combination of custom validation build on top of Struts validation frame work from the form bean.
* Developed Persistence layer using JDBC, Hibernate, DAO design pattern to handle the Database interaction.
* Managed Service dependencies using Spring Dependency Injection.
* Used several design patterns like business delegate, DAO and front controller in the development process.
* Developed Unit test cases to test the business services using JUnit3/4.
* Developed Monitoring, logging and exception handling frame works. Configured several log4j adapters and published logging component as Aspect using Spring AOP.
* Also involved in writing APIs (Application Programming Interface) for some features.

**Environment:** JDK, Servlets, JSP, Ext-JS, JSTL, Struts, Spring, Hibernate, Web Services, Java Script, XML, Eclipse, SVN, Oracle Web Logic, and JUnit.

**Education:**

Bachelor in Electronics from SASTRA University.