**Koti Marri**

**Full Stack Java Developer**

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| **Professional Summary:** |

* **Six** years of strong experience in Web Application Design, Web Service Development, Programming, Testing, Support Maintenance, and End-User support using Java/J2EE technologies.
* Extensive work Experience and Knowledge of all phases of **Software development life cycle (SDLC)**, which includes User Interaction, Business Analysis and Modeling, Design/Architecture, Development, Integration, Documentation, Coding, Testing, Deployment and developing applications using **Waterfall** and **Agile/SCRUM** methodologies.
* Proficient in developing web applications with W3C Standards like **HTML5, CSS3, XHTML, XSL, XSLT, DHTML, JavaScript, JSTL, Bootstrap, AJAX, AngularJS, JSON**.
* Designed and developed various web applications using scripting languages as **JavaScript** and **JQuery.**
* Extensive experience in Object Oriented Analysis in developing server side and front-end framework using **J2EE design patterns** and **AngularJS**
* Expertise in building Enterprise Applications and Distributed Systems using technologies such as **Core Java, J2EE (Servlets, JSP, JSF, EJB, Hibernate, Spring, Struts, JDBC, JMS)** and **XML**.
* Developed various commands and helper classes using core Java mainly following multi-threaded concepts and **MVC design patterns** for the application like **Factory Pattern, Singleton, and Data Access object.**
* Expertise implementing and integrating framework like **Struts, Spring MVC, Spring IOC, Spring AOP, Spring Boot, Hibernate and JPA**.
* Strong expertise in Java, Core Java concepts like Collections, Multithreading, Exception Handling and Java Beans.
* Experience in working with flat files and different healthcare HL7 Messages like **VXU, QBP**, and **ADT** Messages.
* Extensively worked with ORM tools (**Hibernate (HQL), JPA, and OJB**) and **JPA annotations**.
* Have strong exposure to Service Oriented Architecture (**SOA**) such as Web Services and hands on experience in developing **SOAP** and **REST** web services using **Java, Hibernate, JAX-WS, JAX-RS and JAXB**.
* Experience in deploying and configuring applications onto application servers like, **WebLogic**, **Apache Tomcat**.
* Extensive experience in programming, deploying, configuring, and fine-tuning middle-tier popular J2EE Application Servers like **Oracle Application Server, IBM WebSphere Application Server 7.x/6/5, BEA WebLogic9.1/8.1**.
* Experience with RDBMS concepts and in writing Queries, Functions, Triggers, Stored Procedures, Cursors and PL/SQL Packages with databases like **Oracle 10/11g, MySQL.**
* Strong Knowledge and extensive experience using automated build and testing utilities such as **Jenkins, Junit** and **Maven**.
* Used **Log4j** for logging mechanism and developed wrapper classes to configure the logs.
* Hands on experience in automated **JUnit, Mockito** and **Power Mockito** testing tool. Also developed automated scripts using **Selenium, Cucumber**.
* Expertise in using IDEs like **Eclipse, My Eclipse** and **IntelliJ** IDEA in various Configurations with version control tools like **GIT, CVS, Subversion, and Clear Case.**
* Hands on Experience in **UML** designing **Use Case diagrams, State Diagrams, Activity Diagrams, Sequence Diagrams, Class Diagrams** and **Object Diagrams** with **Rational Rose 4.0**.
* Experience in working with projects utilizing test-driven development (**TDD**) and Acceptance Test-Driven development (**ATDD**) methodologies.
* Excellent communication and Analytical, Inter-personnel and presentation skills, Capable to meet tight deadlines and Team Spirit.

Education:

* **Masters in Computer Science The College Of Saint Rose**
* Bachelors in Computer Science and Engineering: JNTUH
* Secured first position in Programming Development during B.E.

Certifications:

* **Java, Java EE & SOA Certification.**
* Persistence with Hibernate Certification.
* PHP & MySQL with MVC Frameworks Certification

**PROJECT EXPERIENCE**

**Project:** **Immunization Information System/Data-Exchange**

**Client: MDH/CDPH. El Paso, TX Nov 2017 - present**

**Role: Java Developer**

**Project Description:**

Maryland’s health care delivery system consists of public and private hospitals, nursing homes, outpatient clinics, home health care services, hospices, providers, and health educators, among others. As a public health department, our goal is to improve the health status of every Maryland resident and to ensure access to quality health care. We are responsible for helping each person live a life free from the threat of communicable diseases, tainted foods, and dangerous products. To assist in our mission, we regulate health care providers, facilities, and organizations, and manage direct services to patients, where appropriate.

**Responsibilities:**

* Analysis the requirements, design documents and developed the **Java**, **JSP**, and **Struts** Components.
* Designing and developing extensive **Struts Action Servlets** and **Actions Forms** to handle various requests. Developing **web Services** using **REST** using JAX-RS using Jersey which helped communicating through different modules of the application.
* Creating tile definitions, Struts -Config files and resource bundles using Struts Framework.
* Involved in writing **Spring Configuration XML**, file that contains declarations and business classes are wired-up to the frontend managed beans using Spring IOC pattern.
* Notification Platform Service is a **Micro Services** Application developed using Spring Boot, REST, SOAP, Hibernate, HikariCP, Kafka, and Cassandra with yaml configuration.
* Implemented **Micro services** Registration and Discovery with Spring Cloud and Netflix's Eureka.
* Involved in working with **Struts Tiles2.0** for the look and feel for a web application.
* Using Struts Model-View-Controller approach to help design new features and fix Jira bugs and request. Combined multiple Data Exchange processes
* Domain objects consolidation to remove duplicated classes.
* Analyze and fix the production issues assigned in Data Exchange project.
* Support and maintain the production related issues.
* Replaced **HL7** messages **VXU**, **QBP** parsing with **HAPI** Modules.
* New shared validation classes for Flat File & all **HL7** versions
* Worked extensively on **SoapUI** for mocking the back-end web service calls.
* Unified and configurable error messages
* Added **JUnit** framework to test new Java packages
* Reorganized business rules to be more object centric
* Developing Java beans, helper classes and **Servlets** for interacting with UI written in **JSP**.
* Working with **BE WebLogic**, and **Apache Tomcat5** application servers.
* Deploying the Applications using WebLogic Application server.
* Developing and deploying **J2EE** components on application servers such as BEA Weblogic12.2 Server, Apache Tomcat.
* Work efficiently in both independent and collaborative environment.
* Strong interpersonal, Learning and organizing skills matched with the ability to effectively manage stress, time and
* People. Self-motivated, enthusiastic and always keen to learn new methodologies and techniques.
* Designing and developing the presentation layer using. Integrated the Java code (API) in JSP pages.
* Involved in design, configuration, development and bug-fixes.
* Developing Java modules, action classes and **JSPs** for retrieval of information from the error logs with different directories for different jobs.
* Involved in the design, development and maintenance of the Front-end for the application using **JSP, JSTL**, Custom Tags and have strong **HTML, XML, AJAX, JavaScript** and **CSS** skills.

**Environment**: Java, J2EE, JDK1.7/1.8, JDBC, Hibernate, XML Parsers, JSP 1.2/2, Servlets, EJB, JMS, Struts1.3/2, Spring Framework, Java Application Server (WebSphere), Java Beans, Web Services (REST, SOAP), AJAX, Oracle10g.

**Project: CLPPP. May 2016-Oct 2017**

**Client: DPH – Department of Public Health**

**Role: Java Developer**

**Technologies: Java, Spring MVC, SQL Server.**

**Project Summary:**

The Childhood Lead Poisoning Prevention Program (CLPPP) was established for the prevention, screening, diagnosis, and treatment of lead poisoning, including the elimination of sources of poisoning through research and educational, epidemiologic, and clinical activities as may be necessary. CLPPP provides a range of both primary and secondary prevention services to the children of the Commonwealth of Massachusetts, their families and others with an interest in the prevention of lead poisoning.

All the Labs in the state will report the CLPPP data to the Department of Public Health using Mass HIway(Health Information Exchange) in different formats like .txt, .csv, HL7. All the clppp messages will be validated, processed and stored. Stored data Displayed to the DPH-CLPPP Business using web application.

**Responsibilities:**

* Involved in SDLC Requirements gathering, Analysis, Design, Development and Testing of application
* Created an automated process to validate and read the CLPPP files (.txt, .csv, HL7) using Java.
* Inserted the read data using JDBC commands to the Oracle database.
* Involved in programming, testing, debugging, implementing and maintaining of J2EE client server distributed application.
* Responsible for creating efficient design and developing User Interaction screens using HTML5, CSS3, JSP, DHTML, JavaScript, jQuery, AJAX, AngularJS 2 and JSON.
* Implemented the application based on Model View Controller (MVC) design pattern using Spring MVC features.
* Used various features of spring framework like dependency injection, integration with Hibernate.
* Used Hibernate framework for persistence to Oracle database.
* Used TOAD for interaction with different databases and tables in each environment.
* Created UML diagrams (use case, class, sequence, and collaboration) based on the business
* Developed and deployed the application to JBoss server 4.3.
* Used Maven plugin for generating jar files
* Implemented version controlling using SVN.
* Used JIRA to assign, track, report and audit the issues in the application.
* Used Log4j for logging, debugging and providing warning and info on the server side console.

**Environment:** Java 1.8, J2EE, JSP, Spring Web flow, Spring MVC, Spring Ioc, Angular, MQ Series, Oracle 10g, JPA, Web Services, REST, WSDL, XML, JAXB, WebSphere Server, Angular JS, JBoss, DB Visualize, Logging, Ant.

**Client: TD Bank, Cherry Hill, NJ Dec 2015 – Mar 2016**

**Position: Java Developer**

**Description:** TD bank is one of the 10 largest banks in US. The purpose of this project was to design a web application that allows customers to register to their online account and manage their credit cards, Current and Savings account and Loan information. It also helps users to transfer money and pay their bills online.

**Responsibilities:**

* Involve in gathering, analyzing and documenting business requirements, functional requirements and data Specifications for application development.
* Develop/program new functionality and features in line with functional specifications and business requirements.
* Develop core Java programs for all business rules and workflows using spring framework.
* Re-factor existing code structure to separate core business logic and Data Access Objects (**DAOs**)
* Implement **Hibernate** for data persistence and management.
* Analyze and fix issues related to **REST** **Webservices** and Application responses.
* Write database queries and programs for data insertion, updates and views.
* Conduct system analysis and development, with limited support from professional staff, to keep our systems current with changing technologies.
* Built **ANT** scripts for automated deployment and for the build operation of the entire application
* Involved in the Development of Spring Framework Controllers. Developed Controller for request, response paradigm by Spring Controllers using **Spring-MVC**
* Developed a tool to retrieve and send data to third party service provider. This feature was implemented using **REST**.
* Analyze, design and development of software systems to form a basis for the solution of information processing problems.
* Responsible for developments with clients and third parties in ensuring and meeting structural requirements.
* Configured various interceptors for transaction management, security, Audit logging (database) and logging using **Spring AOP**
* Used Restful client to interact with the services by providing the **Restful** **URL** mapping
* Exported web services using **JAX-WS** Spring support. Extensive experience in production support.
* Implemented external customer page using Spring **MVC** pattern and **IOC**.
* Integrated **Hibernate** with spring by coding a Spring Configuration file.
* Conduct functional and performance testing.

**Environment:** Java 1.6, Spring Framework, Hibernate, Oracle 10g, JPA, Web Services, REST, WSDL, XML, JAXB, WebSphere Server, Angular JS, JBoss, DB Visualize, Logging, Ant

**Client: Tech Balis IT Solutions Pvt Ltd, Chennai, India Aug 2012 – Nov 2015**

**Role: Java Developer**

**Description:** Debug Portal is a tool used to activate signal, instruction and variable trace on a Central Processor node for Ericsson AXE switch. The tool will display the trace data in a graphical format which will help to analyze the trace effectively.

**Responsibilities**:

* Involved in analysis, design and development of the project.
* Worked in **Waterfall** Software Development methodology.
* Involved in the implementation of client side and server side programming using **HTML** and **JavaScript**.
* Developed front-end interfaces and involved in Error Handling using **JSP.**
* Database design and connectivity done by using **JDBC** Bridge.
* Designed and developed **Servlets** to communicate between the Presentation and Business layer. I
* Written Database objects like Triggers, Stored procedures in **SQL, PL/SQL** for **oracle 9i database**.
* Maintained responsibility for database **design**, **implementation** and **administration**.
* Deployed applications on **Apache Tomcat** application server instances in all the respective environments
* Responsible for customer interaction, analysis of the requirements and project scheduling.
* Used **JUnit** for testing the application, rectified performance bottlenecks and eliminated critical bugs.
* Used Rational **Clear Case** for version control and source code management.
* Used Rational **Clear Quest** for bug tracking, issue tracking and project management.
* Used **Log4J** for logging and tracing the messages.

**Environment**: Java 1.5, J2EE, HTML, JavaScript, JSP, Servlets, XML, SQL, PL/SQL, Oracle 9i, JDBC, Apache Tomcat, JUnit, Clear Case, Clear Quest, Log4J.