SANDEEP APPIKONDA

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Experienced Software Engineer with a passion for solving complex problems and designing simple and efficient solutions. Excellent ability to grasp emerging technologies and interact smoothly and effectively with peers, management, and clients.

PROFESSIONAL EXPERIENCE

UNIVERSITY OF CALIFORNIA, IRVINE
Software Engineer (Consultant) ▪ **Nov 2021 – Present**

- Maintain the UCPATH Time Reporting System (TRS) web application developed in **Spring MVC** framework
- Design and developed QuickTemp application
- Developed user interface by using the **React JS** and **Redux** for QuickTemp
- Developed Child Assignment **API** using **Spring REST** for QuickTemp to create, update and delete temporary assignments
- Used **Swagger** to document the API end points
- Worked on **SQL Server** for TRS application development
- Create and manage **Jenkins** pipelines to automate build and deployment in Dev, QA and UAT environments.
- Used Jasper Reports (**JRXML**) to print/download timesheets and schedule reports in PDF format
- Worked with function group to gather requirements for enhancements
- Connect with team members to manage and allocate workload using **JIRA** Kanban Board
- Extensively used **GIT** for version controlling and regularly pushed the code to **Bitbucket**

Technologies Used
Spring MVC, JSP, MSSQL, Oracle, JPA, Apache Tomcat, Maven, React, NodeJS, Bitbucket, Jenkins, JIRA, Confluence

CALIFORNIA DEPARTMENT OF JUSTICE
Sr. Java Developer (Consultant) ▪ **Feb 2021 – Oct 2021**

- Participated in Joint Application Design (**JAD**) sessions and work with the DOJ's staff to collect and analyze system requirements.
- Develop technical design documents **TDD** to outline the approach to implementing the software enhancements.
- Developed interactive and customized UI using **JavaScript, HTML, JSP** and **CSS** to improve functionality of web applications
- Stabilize and monitor new system enhancements and fix defects found after or during implementation with **Spring Framework**
- Performed **unit testing** of applications by developing and applying test cases.
- Created new and modified existing system reports to provide metrics for CL and Ammo Processor AB 879 reporting that relate to CL or Ammo Processor using JasperReports Extensible Markup Language (**JRXML**) code
- Created **SQL** Objects like Tables, Complex Store Procedures, Views, and Rules.

Technologies Used
Spring Boot, Spring Data (JPA), Spring Batch, J2EE, SVN, Maven, Sonar, Agile, Hibernate, SOAP, JIRA, JasperReports, Oracle Database, Confluence, Tortoise SVN

CALIFORNIA HEALTHCARE ELIGIBILITY, ENROLLMENT, AND RETENTION SYSTEM
Application Developer (Consultant) ▪ May 2020 – Feb 2021

- Coordinate with sponsors and interface partners (CoveredCA, DHCS and GetInsured) to collect their requirements
- Documented the Technical Design Document (TDDs) based on the Change Request (CR)
- Performed Code Analysis to document existing functionality
- Worked on **React JS** Virtual DOM and **React views**, rendering using components which contains additional components called custom **HTML** tags
- Developed new batch jobs using **Spring Batch** chunks including readers, writers, and processors
- Used Oracle Policy Automation (**OPA**) Business Rules Engine (**BRE**) to calculate and evaluated the health insurance eligibility
- Consumed data from interfaces and verify individuals' demographic details from DHS, FBI, etc. agencies using **JAX-WS SOAP**
- Monitoring the offshore work and providing technical help to the offshore team for their JIRA tickets

Technologies Used
Spring Boot, Spring Data (JPA), Spring Batch, J2EE, ReactJS, Git, Maven, SonarQube, Hibernate, SOAP, RESTful API, Oracle Database, Gitlab

UNIVERSITY OF CALIFORNIA, DAVIS
Java Developer (Consultant) ▪ Oct 2016 – Apr 2020

- Developed the UCPATH Time Reporting System (TRS) web application using **Spring MVC**
- Worked on SQL Server (UCPATH development) and Oracle (TRS Legacy application)
- Developed Groovy scripts for operations team to production database changes
- Integrated **Sonarqube** for continuous inspection on code coverages and Bamboo for Continuous Integration
- Implemented unit tests using **Mockito**
- Developed Work Schedule Components using **React JS** and **Redux** to maintain application state
- Used **ExpressJS** as the **NodeJS** server
- Migrated from **React 14.4 to 16.4**
- Developed **RESTful API** using Spring **REST** and consumed by Work Schedule Component
- Used Jasper Reports for generating reports

Technologies Used
Spring MVC, JSP, MSSQL, Oracle, JPA Apache Tomcat, Maven, ANT, JUnit, React, NodeJS, Groovy, Bamboo, Liquibase

DEPARTMENT OF CHILD SUPPORT SERVICES, CALIFORNIA
Application Developer II (Consultant) ▪ Dec 2011 – Sep 2016

- Developed the Child Support Enforcement (CSE) application using **Struts MVC** Framework
- Developed **JSP** custom tags to modularize and streamline web pages
- Involved in handling **Hibernate** as part of DB connectivity and persistence as **ORM** tool and writing **HQL** queries
- Worked on the Query Interstate Cases for Kids (QUICK) web service for sending case information to other state agencies using **SOAP** web services
- Worked on Virtual Interactive Online Application (VIOLA) web application to automate CSE case initiation
- Developed user interfaces using **JSP, CSS, Bootstrap, HTML** and **tag libraries** for VIOLA

Technologies Used
Struts, Hibernate, Spring, JSP, XML, SOAP, WSDL, JDBC, JavaScript, JUnit, WebSphere Server 7, Rational ClearCase, Rational Clear Quest, IBM DB2, ANT

EDUCATIONAL BACKGROUND

WESTERN KENTUCKY UNIVERSITY
Master of Science in Computer Science ▪ Jan 2010 – Jul 2011

CONTRIBUTIONS

CATER REQUEST
- Contributed to research and development of Cater Request, an app which lets you order food for your events
- Spring, Hibernate, MySQL, Ivy, Gradle, Twillo API, Amazon AWS EC2, RDS, Bootstrap, Google Places API, Distance Matrix API, Paypal API, Stripe API
- https://github.com/rajanrajuvadapalli/CaterRequest/commits?author=appikonda

CHALLONGE BOT
- Big fan of Football and FIFA game. Created this Telegram messaging application bot to keep track of group leagues.
- Used Challonge API to display individual soccer events scores, league table and upcoming matches
- https://t.me/challonge_bot
- https://github.com/appikonda/challonge-bot

LYRIXX BOT
- It's a bot for Telegram Messaging Application written in Java
- Given a song name, bot will message the complete lyrics of song to the group or individual chat.
- Used MusixMatch API to get the lyrics
- https://github.com/appikonda/LyrixxBot