**Sukumar Makkapati**

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**Professional Experience:**

Over 8 years of professional experience in Software Analysis, Design, Production support and Software development of Client Server, Enterprise, Server-side Multi-tier distributed and Web based Applications in Windows and Linux environment.

* Extensive experience in the Analysis, Design, Development, Implementation and Testing of enterprise applications with **web technologies, distributed technologies** and **client-server architecture environment**.
* Extensive Design and Development experience in J2EE technology stack like **EJB, JSP, Servlet, JMS, JAXP, JAX-RPC, JTA, Java Mail, JSF, JNDI, RMI, JDBC, JCA, Web Services**.
* Experience in developing GUI using **HTML**, **CSS**, **JavaScript**, **XML**, **XSL/XSLT**, **AJAX**, **JQuery** and **Angular JS**.
* Experience in developing **PL/SQL, Stored Procedures, and Triggers** on **Oracle** Databases.
* Good work experience in writing **SQL queries** with major Relational Databases.
* Good knowledge of database connectivity **(JDBC)** for databases like **Oracle, SQL Server, MySQL, MS Access**.
* Expertise in designing and developing applications using **Struts, Spring Framework, Spring Components like AOP, Spring JDBC** and **ORM** Technologylike **Hibernate**.
* Hands-on experience with design patterns like **Dependency injection**, **Singleton**, Domain Object, **DAO**, Session Façade, Intercepting filters, Factory pattern, Service Locator, **Front Controller**, Command pattern, **MVC**.
* Substantial knowledge about **IBM Web Sphere Application server, Apache Tomcat Web Server, JBOSS** and **Web logic server.**
* Experience in developing rules in **IBM ODM**, **IBM JRules** and **Drools**
* Experience in writing the **ANT** Scripts and **UNIX** Scripts for building and deploying the working enterprise application.
* Involved in writing **Unit Test Cases** and having good knowledge in **JUnit**.
* Experience with versioning tools like **Clear-case, Subversion, Perforce and Git-Hub**.
* Extensive work experience in **Production Support** of Enterprise level applications
* Experienced in a fast paced **Agile** Development Environment including Test-Driven Development (**TDD**) and **Scrum**.
* A well-organized, goal-oriented, highly motivated and effective team player with excellent analytical, troubleshooting, and problem solving skills.
* Excellent **Verbal & Written Communication** skills and strong in **Documentation**.
* **Flexible, enthusiastic** and **project oriented** with excellent communicationandleadershipskills to develop creative solution for challenging client needs.

**Top BA Skill:**

* Being a bridge between Client and Development team.
* Running quires to generate reports to present to management.
* Decomposing artifacts into unambiguous requirements.

**Clearance held** - Department of Veterans Affairs – Public Trust (04/2015-Present).

Technical Skills:

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| --- | --- |
| Databases: | MS SQL Server 2008, Oracle 10-11g, IBM DB2, MySql 5. |
| Frameworks & Tools: | Jdk1.5/1.6/1.7, JSF1.2, Struts1.x/2.x, Spring 3.0/4.0 with WebSockets, Ant, Maven 3, Spring MVC, Hibernate 2x, Log4j1.2, Eclipse 3.x, Netbeans, Jenkins, BuildForge, SVN, JMS, Ajax, SOAP & REST Web Services, XML, JSON, SQL. |
| Database Tools: | Toad, Oracle AnswerFlow, SQL Profiler, Performance Monitor, Squirrel, |
| QA Tools: | POSTMAN, SOAPUI 5.0, Jira, Bugzilla, LoadRunner, Splunk, Junit 4.10 |
| Web Technology : | JSP, Servlets, EJB, ESB, JNDI, JDBC, HTML 5, CSS, XSL/XSLT, JavaScript, jQuery, Angular JS, Web Services (JAX-WS, JAX-RS) |
| Application Servers | WebSphere 8.5, JBOSS 4.x, Tomcat 5/6, Web Logic |
| Operating System: | Windows, Linux, IOS, Unix |

**Work Experience:**

**U.S. Department of Veterans Affairs, Apr 2015 – Till date** Senior Programmer Analyst Alexandria, VA

**Veterans Benefits Management System (VBMS)** is a solutions project to transition VBA from a paper-intensive claims processing environment to a paperless-based environment. It automates the processes, workflow and management. **VBMS-Rating** is an automated processing and rating of a Veteran’s established claim. With VBMS-R system, based on the disability evidence provided, the overall evaluation percentage of the compensation that the Veteran can claim is determined faster than the paper-based system.

**Environment:**  Java 1.7/Java 1.8, Spring MVC, Hibernate, Orika Framework, Web Services, SOAP/REST, XML, XSD, XPath, XSLT, HTML, CSS, JavaScript, AngularJS, Ajax, Junit, IBM JRules/IBM ODM, Selenium (WebDriver, Grid, IDE), WebLogic 12.1.3, Ant, Maven, SonaNexus, Oracle 11g, Liquibase, IBM RTC.

**Responsibilities:**

* Interacted with customer to gather requirements and business artifacts based on Agile **SCRUM** methodology.
* Designed wireframes and developed web pages by using **HTML 5**, **CSS, JSP** and **JavaScript**.
* Extensively usage of **Eclipse** IDE to develop source code and debug the application.
* Built dynamic web projects using **Java**, **Spring** and **Hibernate** on **MVC** framework.
* Configured and implemented the persistence layer with **Spring data.**
* Implemented **Orika** framework to map between multiple object layers.
* Designed and developed **IBM** **JRules**/rule flows using **IBM** **ODM** for automating evaluation process.
* Involved in defining build process with Maven scripts and customizing through **CI&D** builds using **Jenkins**.
* Implemented **SOAP** and **RESTful** Web-Services to integrate different applications (external systems).
* Reviewed the **XML** logical data model and developed XML schema **(XSD)** to validate the model and used **JAX-B** for Xml-Java Mapping and **XML**-**XSLT** conversion.
* Implemented **Hibernate** ORM tool integration with **Spring MVC** to interact with back end persistence system (**Oracle11g**)
* Developed and published web-services using **WSDL**, **SOAP** and **XML**, **JAX-B** based on top-down and bottom-up approaches.
* Supported executing **Selenium** automation scripts on different browsers/environments and reported defects/results to the team.
* Involved in pre-testing the Web-Service calls with **SOAP UI/POSTMAN** using end-points.
* Identified and fixed various categories of Information Assurance issues using **HP Fortify**.
* Involved in Production Support and had extensively used **Splunk** for more than three major releases as well as patch.

**Comcast, Oct 2014 – Mar 2015** Senior Software Development Engineer Philadelphia, PA

**Project Description:** Comcast is one of the nation’s largest service-based company which provides a variety of services by building wrappers for trouble shooting customer issues. The author’s design the user stories so as the representative can easily troubleshoot customer issues. Based on the user stories, the call center representatives can take an initiative to resolve the customer issues. If they were unable to solve the problem, the ITG trouble shooting technicians will see the issues and get resolved by seeing the trouble shooting guide.

**Environment:**  Java 6.0 & above, Spring with WebSockets, Spring Security, Web Services, CXF, JSON, Shell Script, UML, HTML, Eclipse, JUnit, Windows, OSS/BSS, Unix, WebLogic, JAX-B, Apache Axis-2, Jenkins, ANT, RESTful, SOAP, JProfiler, Rally, Oracle 11g.

**Responsibilities:**

* Participated in various phases of **Software Development Life Cycle (SDLC)** of the application.
* Possess good experience in working with **AGILE** **SCRUM** methodology and sound working knowledge with **AGILE** project management tool **Rally.**
* Had a good experience on **ORACLE ANSWER-FLOW** editor for creating service calls and unit test cases that helps to test the wrapper code.
* Solid experience in **Object Oriented Programming** concepts and writing code in Java.
* Well versed in understanding complex coding at any given phase of application development process and expertise in coding.
* Developed designs using Spring Framework, its components such as **AOP** and implemented **WebSockets** Protocol for two-way communication.
* Participated in developing and migrating several authentication services using **Spring Security**.
* Hands on experience in deploying the application in **pre-prod** and **production** environment.
* Used **JProfiler** to analyze performance bottlenecks, memory leaks, CPU loads and resolve threading issues and supports local profiling and remote profiling.
* Good understanding and practical knowledge working in continuous integration environment using tools like **JENKINS.**
* Updating the web application in **Web-Logic application server** as a part of deployment.
* Effectively used **PUTTY** to trace the logs.
* Involved in consuming **REST**ful web services and pre-testing the web-services using **POSTMAN** tool.
* Pushed the code to Jenkins and integrated the code with **Apache ANT.**
* Deployed multiple builds in a day as part of **Sprints** on various test environments.
* Created detailed user stories and corresponding test cases.
* Documented detailed versions of the user stories, corresponding test cases and tasks in sub version tool **Tortoise SVN.**
* Built **proxy** for consuming the **code big API services**.
* Designed automated testing tool using **JUnit** framework for helping developers to test the wrappers.

**JDCQ Solutions, Dallas, Texas Dec 2013 – Oct 2014** JAVA/J2EE Developer/QBOS ADMIN Dallas, TX

**Project Description:** JDCQ Solutions is the largest provider of release of information (ROI) services and audit management and tracking technology - partnering with thousands of hospitals, health systems, physician practices and clinics to process and fulfill medical record requests and maintain compliance related to releasing medical information to all types of requesters. To release the information, the patients will be identified with the unique identifier and the information will be gathered from all the pre-medical health centers and will also help patients and clinics by making their medical insurance companies relation simple.

**Environment:**  Java5.0/6.1,SOA, Struts, Spring JPA, hibernate, Web Services, CXF, XML, XSD, Shell Script, UML, HTML, JavaScript, Angular JS, Eclipse, Junit, Windows, Unix, WebLogic AS10.3, Active MQ, JAX-B, JMS, Axis2, Ajax, Hudson, Maven, Nexus, RESTful, SOAP, GC Viewer, JIRA, Oracle 11g, XPath, XSLT.

**Role & Responsibilities:**

* Developed web pages by using **HTML 5**, **CSS** and **JavaScript**.
* Used **QBOS** for storing and accessing data. Billing cycles are generated based on day to day cycles.
* Used **Eclipse** to develop source code and debug the application.
* Interacted with the stake-holders and gather requirements and business artifacts based on Agile **SCRUM** methodology.
* Used **GC Viewer** to calculate garbage collection related performance metrics which include throughput, accumulated pauses, longest pause and often very useful for when necessary to run the garbage collection of a particular application by changing generation sizes or setting up the initial heap size.
* Built a custom cross-platform architecture using **Java**, **Struts MVC, Spring MVC** and **hibernate**.
* Configured and implemented the persistence layer with **Spring** and **JPA**.
* Involved in defining build process with Maven scripts and customizing through CI builds using **Jenkins**.
* Implemented Web-Services to integrate between different applications (internal and third party components using **SOAP** and **REST** services using Apache-CXF
* Performed GUI Testing, Functional Testing, Integration Testing and Regression testing using **Selenium** **Standalone** server.
* Configured **Queues** and **Topics** as part of application integration and defined Camel routing between queues/topics.
* Reviewed the **XML** logical data model and developed XML schema **(XSD)** to validate the model and used **JAX-B** for Xml-Java Mapping and **XML**-**XSLT** conversion.
* Implemented **Hibernate** ORM tool integration with **Spring MVC** to interact with back end persistence system (**Oracle11g**)
* Developed and published web-services using **WSDL**,**SOAP** and **XML**, **JAX-B** based on top-down and bottom-up approaches.
* Involved in pre-testing the Web-Service calls with **SOAP UI** using end-points.
* Coordinated Unit (**JUnit**, **EasyMock**), Integration and User Acceptance Testing and developed test cases for bean components.
* Used **Subversion** for maintaining the component and for release and version management. And **JIRA** for defect tracking.
* **ANT** tool has been used for the build and deploy procedure scripts in **UNIX**, **Linux** and Windows environment using **Jenkins**.

**WALT DISNEY, Aug 2012 – Nov 2013**

Senior JAVA/J2EE Consultant Orlando, FL

**Project Description:** Walt Disney World is the most visited entertainment resort in the United States. The project is an intra-net web application which is Labor Demand Planning System. Derived drivers (DDR), Workload and Schedule Inefficiency (SI) are the three main modes in this system. This entire three modes are based on daily drivers and increment drivers. The main theme of this system is to find the number of cast members required for all the departments of parks, resorts etc.

**Environment:** J2EE, JSP, Hibernate 3.0, Spring, JNDI, HTML, CSS, XML, Java Script, Struts Validation Framework, Eclipse Indigo, Struts Validation Framework ,Tiles Framework,  XML Spy, JBOSS Server, TIM API, Log4j, ANT, JMS, SQL Developer, Bugzilla, Subversion, JUnit, MS Visio,  Oracle 10g, HP QC, DB2, IBM Optim tool, JProfiler and etc.

**Responsibilities:**

* Participated in user requirement sessions to analysis and gather business requirements.
* Developed **front end for Schedule Inefficiency using JSP/Servlets.**
* Involved in Analysis, Design, Development, Integration and Testing of application modules.
* Involved in implementing application prototype using **JSP**, **Servlets**, **JDBC**,and **Struts** framework to give the presentation.
* Involved in development of the application using **Spring Web MVC** and other components of the **Spring Framework,** the controller being **Spring Core (Dispatcher Servlet)**. Also implemented **Dependency Injection** using the **Spring** framework.
* Configured the **Hibernate** with **Spring.**
* Developed **JSP** custom **Tag libraries**, and associated support in the **Action Servlet**, that assists in creating interactive form-based applications, which is the one of the primary area of functionality using **Struts Framework**.
* Used Eclipse Indigo IDE to develop the application. Used **JBOSS** Server to deploy the application.
* Implemented Java new features like **Generics**, **Auto boxing**, and **Enum**.
* Developed Business Delegate, Facade, Service locator, Data Access Object and Value Object design patterns.
* Validated all forms using **Struts Validation Framework** and implemented **Tiles Framework** in the presentation layer.
* Developed web pages for Single Sign On using **JSP** and implemented **Hibernate for mapping and persist the data.**
* Developed **POJO** classes and mapping files and configuration files for the database.
* Wrote technical documents related to workflow model and activities performed for the particular work items.
* Responsible for working on consuming **SOAP** web services.
* Developed complex database **SQL** queries/Stored Procedures and tuning SQL queries.
* Implemented logging mechanism using **log4j** tool.
* Responsible for unit testing using **JUnit** and building test cases and templates for integration testing.
* Used Subversion to commit the source and created tags and branches.
* Communicated with the Offshore Team and helped them understand the Business Requirements.

**Virtual Integrated System (VIS) Project (DELL Inc.) Dec 2011– Aug 2012**

Senior JAVA/J2EE Consultant Dallas, TX

**Project Description:** Dell Virtual Integrated System (VIS) architecture helps to improve data center efficiency by responding to selected business requests in minutes. With the Dell VIS working for an organization, they can streamline management tools and tasks while getting more from their existing infrastructure investments. The Dell VIS helps eliminate barriers to the adoption of virtualization while providing a clear path to transform data center efficiencies.

**Environment:** Java, SOA, JAX-B, J2EE, Spring MVC, REST, WSDL, Apache Service-Mix [Fuse ESB 4.x], SOAP UI 3.6, Apache Camel, XML, Bash, VBScript, Perl, Ajax,Windows7, Eclipse IDE 3.6, Apache Maven 3.x, Hudson CI, Apache tomcat 6.0.29, VMware v-center, log4j, Tortoise SVN, JUnit, Easy-Mock, Rally[Agile/Scrum].

**Responsibilities:**

* Used **RESTful** web services to call the services from a central portal.
* Development in **Service Oriented Architecture** (SOA).
* **RHEL/Windows** OS Deployment on different Virtual Machines (VMs).
* Creating, editing, and deleting Virtual Server Pool.
* Developed integration of hardware services through **Apache Camel** and **Spring 3.1** dependency Injection frameworks.
* Worked with **FUSE ESB 4.x** implementation of Apache service mix to leverage the integration capabilities for all the services.
* Wrote **JavaScript** code using **AJAX**, **JSON** features and also used the annotation capabilities of the same for **RESTful** services.
* Wrote Scripts using **UNIX, ANT** whenever necessary.
* Maintenance of existing product code, as required.
* Creation of Virtual Server Pool, requesting a **Virtual Machine (VM)**.
* Used **Apache Maven** 3.x for building and Hudson for Batch building.
* Used **SOAP UI** for service level testing of various Infrastructure services.
* Involved in writing configuration centric files/modes for various services using **XML** capabilities and also wrote message bundles for **spring**, **camel**, **JAX-RS** and also the bundles for message properties for the process of internationalization [i18n].
* Wrote **JUnit**, Easy mock test cases to test various services and their integration capabilities and limitations.
* Collaborated between teams by involving in the knowledge transfer through updating wiki on any general bug tracking/development steps/standards involved.
* Stood up for the daily scrum to discuss and update through word of mouth and also through the **Rally** toolfor scrum.
* Used Tortoise **SVN** (Subversion) for version control, **log4j** for logging purpose.

**Farecast Flight Booking** **Sep** **2010 – Dec 2011**

Associate ConsultantSeattle, WA

**Project Description:** Farecast.com is a Search engine portal for booking International and Domestic Airline tickets, Hotels, Cruise, Buses and Cars. The portal has been designed keeping the user in consideration at every step. Farecast.com displays the lowest fares from the major airline sites and offers industry leading travel planning tools. Farecast.com is the airfare prediction website. Simplicity and interactivity is the main feature for easy understating.

**Environment:** JAVA, J2EE, XML, Servlets, JavaScript, JSP, HTML, CSS, JDBC, Struts1.2, SOAP, Eclipse3.2 with MyEclipse, SQL, CVS, JUnit, Web Logic, Windows.

**Responsibilities:**

* User requirements study, analysis and review of the specifications.
* Extensively used **OOD** concepts in overall design and development of the system.
* Interaction with the users at all stages of development to ensure that development was as per user specifications.
* Designed and Implemented the **J2EE** Based Struts with **JDBC** in **Eclipse IDE**.
* Work directly with management, vendors, and third parties to ensure database management applications operate at peak efficiency.
* Extensively worked on Java server side programming using **Servlets**, and **JSP**. **CSS** is used to style **Web pages, XHTML and XML markup**.
* Implemented servlets to handle **HTTP** requests for **on-line requests**, credit card payments, registration and **bug tracking**.
* Using **XML** for dynamic display of options in select box and description on web page.
* Asynchronous messaging is done using **JMS** and created **Queue** for point – point messaging.
* **Web Services** are used for accessing flight and hotel information’s.
* Designed **complex application database SQL** statements for querying, updating and reporting using **JDBC**.
* Responsible for testing, debugging, **bug fixing** and documentation of the system.
* Developed JUnit test cases and performed **integration** and **system testing**.
* Implemented Java components and deployed under the **Web Logic server**.

**ICICI Securities, Aug 2007 – Jul 2010**

Associate Software Engineer Bangalore, India

**Project Description:** The Objective of new system is to enable ICICI private banking group PBG to strengthen their existing client and attract new client. The PBG System will enable the ICICI Private Banker and Client to create a tailored website, which will reflect each client’s unique relationship with PBG. The functional requirements of the PBG Internet site is to deliver account information, news, marketing information, ICICI research and information about ICICI products/Services.

**Environment:** JSP 1.2, Servlets, Struts1.2.x, JMS, JavaScript, Eclipse 2.0, Web Sphere Application Server 5.0, Oracle 8i, EJB, ANT.

**Responsibilities:**

* Involved in **Software Development Life Cycle (SDLC)** of the application: Requirement gathering, Design Analysis and Code development.
* Implemented **Struts** **framework** based on the Model View Controller design paradigm.
* **Struts-Config** XML file was created and Action mappings were done.
* Designed the application by implementing **Struts** based on **MVC** Architecture, used simple Java Beans as a Model, JSP-UI Components as View and **Action Servlet** as a Controller.
* Designed and developed business components using **Session and Entity Beans in EJB**.
* Used **JDBC** for data access from Oracle tables.
* Implemented EJB’s Container Managed Persistent strategy.
* Worked on **triggers** and **stored procedures** on Oracle database.
* Apache **MAVEN** was used for the entire build process.
* **JUnit** was used to implement test cases for beans.
* Application was deployed on **WebSphere** Application Server.
* Coordinated with testing team for timely release of product.

**Education Profile:**

**Master’s** in Computer Science, **University of Southern Mississippi**, Hattiesburg - United States.

**Master’s** in Computer Science and Engineering, **Jawaharlal Nehru Technological University,** Kakinada - India.

**Bachelor’s** in Computer Science and Engineering, **Jawaharlal Nehru Technological University,** Kakinada - India.