**SANTOSH BABU**

**Saint Louis, MO 63141**

**PROFESSIONAL SUMMARY:**

* 8+ Years of professional experience in Design and Development of Enterprise Applications with Java, J2EE UI and Cloud technologies.
* Experience in the Web Applications Development, good understanding of HTML/HTML5, CSS2/3, JavaScript and extensive experience in web standards, accessibility and internationalization.
* Understanding of server-side CSS pre-processing platforms LESS/SASS.
* Involved in helping design user experience interface UI/UX strategy, UI requirements, converting findings into UI designs.
* Domain expertise on Manufacturing, insurance, Travel, e-Commerce and Open platform.
* Experience in architecting multiple Highly Scalable/Available Fault Tolerant applications setup in an AGILE/SCRUM & Waterfall environment.
* Strong working experience in in Spring, Struts, AngularJS, nodeJS, Hibernate, myBatis, RESTful, SOAP, Kafka & Solr frameworks.
* Hands on development experience in cloud technologies AWS, Azure, Cloud Foundry and Open Stack. Strong experience in working with Micro Service architecture.
* Experience in integration of IBM Watson APIs with digital platform.
* Strong working experience in UI Technology stack JavaScript, NodeJS, AngularJS, Bootstrap, HTML5, CSS3 & JQuery.
* Knowledge on HIPPA, ITIL standards and SOX compliance. And SEO principles.
* Strong experience in UI packaging tool/technologies Grunt and Webpack.
* Expert knowledge in Continuous Integration and Continuous Deployment (CICD) using DevOps tools, SSH, Git, Bitbucket, ICinga, Jenkins, and Sonar etc.
* Hands on development experience in Socket IO programming.
* Expertise working in various Application Servers likes WebSphere, Web logic and Tomcat.
* Conducting & participating the design council meetings to review and suggest the design solutions for various applications. Good experience in open source Elastic Search tools Solr.
* Extensively worked with NoSQL Databases like MongoDB, Cassandra, Mongoose, and MLab.
* Hands on experience in integration of third party Content Management Systems like STIBO systems. Hands on experience in integration of OpenStack Object Storage
* Expert experience in Linux environment writing Performance test scripts using Linux/Unix shell programming.
* Having good experience in development environments WebCT and Blackboard.
* Strong knowledge and understanding in J2EE Design Patterns.
* Good experience in managing of Production Deployments in terms of software deliveries and monitoring the production servers.
* Sound Relational Database (RDBMS) work experience in writing complex SQL and PLSQL queries, Stored Procedures, Triggers on various database environments such as Oracle, Postgres, SQL Server and MySQL.
* Having excellent analytical, problem solving, communication and interpersonal skills.
* Good experience in source control management (SCM) such as SVN, GIT, TFS and build tools such as Ant, Maven and Gradle. Exposure to container services like Docker
* Implemented configuration management using Chef. Understanding cookbooks and recipes.
* Work experience on various IDE's like Eclipse, JDeveloper, RAD, and IntelliJ Idea.
* Experience in using, Junit, WinRunner and selenium, cucumber for testing
* Experience building, deploying applications using AWS EC2, EBS, AWS RDS, cloud formation.
* Recognized as a strong team player and team builder, mentor to all levels of technical consultants and high result oriented.

**SKILLS:**

* **JAVA/J2EE Technologies:** Core Java, Multithreading, Socket Programming, JDBC, Servlets, Filters, JSP
* **Server Side Frameworks:** Struts 1.x, Spring 4.x, Hibernate 4.x, myBatis, RESTful, Jersey, Solr 4.2, Junit, Mockito, Spring Test Framework, Log4j,Logback
* **UI Side Technologies / Frameworks:** JavaScript, nodeJS, AngularJS, BackboneJS, Bootstrap, wordpress, HTML5, CSS3/LESS/SASS, JQuery, Jasmine, Karma, AngularJS Mocks, JSON
* **Cloud Technologies and Servers**: AWS EC2,S3, Cloud Foundry, Azure, Open Stack, Tomcat 7,Weblogic 9.2, Web Sphere 8.0
* **Databases and OS:** Oracle 11g,MS-SQL Server 2005,MySQL, Windows 7,Ubuntu 14.04,RHEL 6.x,Solaris, MongoDB, Cassandra.
* **Development Methodologies:** Agile (Scrum, XP, RAD), Waterfall
* **DevOps Tools:** Icinga, Jenkins, IBM Devops, Concordion (BDD), Chef, TeamCity
* **Design Patterns :** Singleton, MVC, Factory, Value Object, Front Controller, Session Façade, Business Delegate
* **Messaging:** Rabbit MQ, Kafka, Active MQ, IBM MQ, AWS SQS
* **Development Tools:** Intellij 4.0, Eclipse Kepler, NetBeans 7.3, WebCT, Building Block Rally, JIRA, TFS, SVN, Perforce, Git, Bugzilla, TeamTrack, Rally, Ant, Maven Grunt, Webpack

**CERTIFICATIONS:**

* Oracle Certified Java Programmer (OCJP)
* AWS Certified Solutions Architect - Associate

**EDUCATION:**

* Bachelor of Technology in Computer Science & Engineering, India.

**PROFESSIONAL EXPERIENCE**

**Advance Auto Parts, Richmond, VA June 2015 – Present**

**Sr. Java/J2EE Developer**

* Develop application modules using Struts 2 MVC, JSP, JSTL and AJAX on the presentation layer, the business layer is built using spring and the persistent layer uses Hibernate 3.0.
* Implement Object-relation mapping in the persistence layer using hibernate with Spring Aspect Oriented Programming (AOP) functionality.
* Worked on responsive design in making the application compatible with desktop, tablet, mobile and also developed tabbed pages.
* Implemented faster mobile-friendly applications using Twitter Bootstrap framework.
* Design various data models including class diagrams, dataflow diagrams, workflow diagrams, sequence diagrams and interaction diagrams.
* Developed a proof of concept for using Cassandra to store and process borrower.
* Extensive experience with AngularJS, creating custom directives, decorators, and services to interface with both restful and legacy network services also DOM applications.
* Develop Hibernate.cfg.xml to define the connection pooling which was being provided by Hibernate, create mapping for the POJOs in the application for which tables existed in the back end DB and develop corresponding .hbm files.
* Design Web applications using JSP, Servlets, HTML5, CSS, Twitter Bootstrap, JQuery and AngularJS.
* Used Flex profiler sampling to resolve performance issues.
* Developed UI Layer for the application using HTML5, CSS3, Angular and Bootstrap.
* Implemented Web API to use OAuth2.0 with JWT (JSON Web Tokens) to secure the Web API Service Layer.
* Wrote SPA (Single Page Applications) using RESTful web services plus AJAX and AngularJS.
* Used Amazon Web Services for Java API to upload and retrieve user's media data.
* Wrote services to store and retrieve user data from the MongoDB for the application on servers.
* Effectively develop Action classes, JSP and other configuration files.
* Involve in analysis, specification, design, testing and implementation phases of Software Development Life Cycle.
* Implemented BDD with cucumber.
* Implemented a selectable template structure in Django making it possible to change the HTML layout and design based on the site URL essential feature for making the partner stations happy.
* Create a shell script to register data load requests automatically
* Involved in writing application level code to interact with APIs, Restful Web Services using AJAX, JSON
* Used AJAX to make the web application more interactive without refreshing the data frequently
* Design and implementation of a dependency manager for the process involved in a given task using graphs.
* Designed and implemented the MongoDB schema
* Wrote services to store and retrieve user data from the MongoDB for the application on devices
* Used Mongoose API in order to access the MongoDB
* Developed a RESTful Web Services to exchange the data.
* Develop Web Services using XML messages that use SOAP protocol.
* Deployed and tested the application with Application server Weblogic 10.3
* Involved in process for builds and deployments with Maven and Jenkins for continuous integration
* Used SonarQube to measure code coverage, code standard compliance, code duplication, and unit test results
* Write configuration files for injecting Service Impls and DAO classes
* Code Review, Code Delivery and Integration with existing Code and Test Data Preparation
* Logging, capturing, analyzing, resolving defects and performed Integration testing
* Test plan preparation, deriving test scenarios and documenting test cases
* Involved in providing maintenance and support for the application after its rollout.
* Work on defects in JIRA tool and Track those defects.
* Used SCM GIT for code check-in & check-out.
* **Environment:** Java 7, JSF, Spring boot, Twitter bootstrap , Python, Django, JDeveloper, Mongodb, Angular 2.0, HTML 5, CSS, Javascript, JSP, JQuery, git, amazon web services, bash, RESTful web service, OAuth, SOAP, SonarQube, MobaXterm, maven, Jenkins, cucumber, JIRA, Weblogic, Apache HTTP.

**ADP, Alpharetta, GA April 2013 – May 2015**

**Java Full Stack Developer**

* Actively involved in mock screens development and project start-up phase
* Experience working in Agile development following SCRUM process, Sprint and daily stand-up meetings.
* Involved in developing the UI, layout and front-end programming for web application that matches requirements of the client.
* Implemented OAuth2.0 for authentication based web application and accessed their APIs for fetching data services
* Developed UI Layer for the application using HTML5, CSS3, AngularJS and Bootstrap.
* Involved in building a single page and cross browser compatible web application using Angular-JS (Angular routing) and bootstrap.
* Worked on AngularJS framework, HTML5 Canvas element to created complex animations, HTML5 geo location to get and track the user location, CSS3 for simple animation and custom directive in AngularJS.
* Refactored and extended large existing Django code base, reducing the number of lines of code and duplication significantly
* Worked with advanced MVC framework such as Spring-IOC, AOP, MVC and Batch which is used for implementing backend functionality.
* Participated in coding Spring AOP components for the Logging, Exception handling and Transactional Model to handle many requests
* Actively used RabbitMQ as message broker for requests.
* Support & Enhancement to the existing implementation of correspondence components which are developed using EJBs, JPA and Web Services / JMS.
* Used Hibernate, object/relational-mapping (ORM) solution, technique of mapping data representation from MVC model to Oracle Relational data model with SQL-based schema.
* Used Java Message Service (JMS) for reliable and asynchronous exchange of important information for status report.
* Implemented Authentication & Authorization with Site Minder and spring security.
* Used AWS SDK to connect with Amazon SQS for bulk email processing.
* Implemented AWS IAM for managing the credentials of applications that runs on EC2 instances.
* Implemented AWS solutions using E2C, S3, RDS, EBS, Elastic Load Balancer, Auto-scaling groups.
* Analyzed current legacy infrastructure, established business case, and built consensus for virtualized IaaS / PaaS near term strategy with SaaS mobile cloud services end state.
* Developed SOAP based web services using WSDL, SOAP, JAX-WS and AXIS.
* Produced as well as consumed RESTful web services using Jersey API's.
* Followed Java & J2EE design patterns and the coding guidelines to design and develop the application.
* Followed up with Tivoli Manger group to run the spring batch jobs at specific times.
* Fixed defects identified during QA, UAT and Production.
* Done with Web logic application server set up & deployed the application on it
* Worked with GIT which is used as a version control tool in the project.
* Done with Unit testing using JUnit and Mockito.
* **Environment:** Java 1.7, J2EE, JSF, Servlets, Spring-MVC, IOC, AOP, Python, Hibernate, Eclipse, Angular 1.5, Bootstrap, CSS3, HTML5, Web logic Server, WSDL, SOAP, JAX-WS, AXIS, Jersey, Oracle 11g, RabbitMQ, Oracle SQL Developer, PaaS, GIT, JIRA,AWS, TAM, Junit, Mockito.

**Geico, Chevy Chase, MD July 2011- Mar 2013**

**Sr. J2EE Developer**

* Extensive experience with AngularJS, creating custom directives, decorators, and services to interface with both restful and legacy network services also DOM applications.
* Extensive experience on modern front-end template frameworks for JavaScript including Bootstrap, JQuery, AngularJS etc.
* Build client websites with WordPress.
* Designed and developed UI screens with XSLT and JSF (MVC) to provide interactive screens to display data.
* Bootstrap used along with AngularJS in creating the Application.
* Developed Web Services using XML messages that use SOAP. Developed Web Services for Payment Transaction and Payment Release.
* Effectively developed Action classes, JSP, JSF and other configuration files like struts-config.xml, web.xml.
* Implemented code as per coding standards & Created AngularJS Controller, which isolate scopes perform operations.
* Involved in designing, developing & testing of J2EE components like Java Beans, Java, XML, Collection Framework, JSP, Servlets, JMS, JDBC, and JNDI and deployments in Web Logic Server.
* Used Struts2 Framework to implement MVC design pattern.
* Implemented the Spring Web Flow2 framework for managing navigation and page flow and used design patterns like Session Façade, Delegator, MVC and DTO for the back-end tier development.
* Implemented the Star rating for the health plans using JQuery, Ajax.
* Integrated application with Spring Security for form based authentication and authorization.
* Created Action-validation.xml file for validating the input actions for form validation and modified struts.xml file.
* Maintained, structured, and surveyed documents within the NoSQL MongoDB database; ensuring data integrity, correcting anomalies, and increasing the overall maintainability of the database.
* Composed and executed MongoDB scripts to insert and update NoSQL database; automating data changes and reporting.
* Involved in Exception handling (hibernate, SQL and generic exceptions) and displayed appropriate messages.
* Developed Web Services that use SOAP.
* Build Service Oriented Architecture using J2EE EJB 3.1 and JAX-WS web service modules.
* Used EJB 3.1 session bean using WebSphere seam context management.
* Used EJB 3.1 stateless bean to generate picklist and to generate asynchronous batch jobs.
* Developed interfaces and bean implementations for the same for propagating data on the JSPs.
* Implemented ORM using Hibernate for mapping persistence layer to database.
* Developed Hibernate.cfg.xml to define the connection pooling which was being provided by Hibernate, did mapping for the POJOs in the application for which tables existed in the back-end DB and developed corresponding .hbm files.
* Written some part code of data storage in S3 and Glacier using the Amazon API.
* Worked on EC2 and VPC API to create instances and virtual private cloud in Amazon.
* Wrote configuration files for injecting Service Impls and DAO classes. Used spring AOP to implement logging and getting data source objects. Log4j was used to implement logging.
* Developed configuration files corresponding to beans mapped and backend database tables.
* RAD was used as the application development environment on windows operating system.
* Used Object Oriented Programming and Multi-Threading.
* **Environment:** Java/ J2EE, EJB 3.1, Servlet 3.1, Wordpress, JSP, JNDI, HTML/HTML5, AngularJS, Bootstrap, JavaScript, Struts 2.0, Web services, MongoDB, AWS S3, EC2, Spring3.1, Oracle PL SQL, Unix, MQ, IBM WebSphere Application Server 7.1, Eclipse, JUnit, Oracle SQL Developer, Lotus Notes, QC/ALM, IBM Rational Clear case, Log4j

**Cognizant Tech. Solutions, Hyderabad, India Jan 2009 - Dec 2010**

**Systems Engineer/Java Developer**

* Designed and developed End-to-End Online Account opening process for UMB bank.
* Requirements gathering from business and defining specifications for the system.
* Designed and developed Use-Case Diagrams, Class Diagrams and Object Diagrams using UML Rational Rose.
* Provided robust design solutions for all developments using Rational Rose.
* Built batch-processing system to communicate with Experian for SSN validation.
* Involved in technical discussions with my team.
* Built custom UI and interfaces between UMB and AAA using Struts.
* Involved in development of Customer Servicing Tool to handle Account creation and support process with extensive reporting capabilities.
* Requirement analysis, design and implementation.
* Manage project deliveries of the project to QA team and Customer.
* Involved in the discussion with Customer for technical, functional issues, status update and demonstrate newly added features.
* Used HTML and CSS to create technical design documents.
* Responsible for designing and coding of User Interfaces using JSF
* Resolve integration issue with external component SBO, Sales force web services.
* Create technical design documents.
* Develop the UI for the application using JSF 2.0
* Involved in developing custom components in Presentation tier using JSF.
* Help and co-ordinate with team members for technical issues.
* Built an internal task assignment application.
* Worked on the client’s website that required codex fixes recommended by analyst for better marketing.
* Validate codes in client’s websites and improve code standards.
* **Environment:** Eclipse IDE, Java, J2EE, JDBC 4.0, REST Web Services, HTML4.0, JSF 2.0, Structs1.3, Oracle, Apache Tomcat 8.5.12, Junit, Log4j, ant, Scrum.

**Project #2: Camp Management Modification Delegation**

* This project was implemented to enhance the capability of Customer Contact Opportunities tool which is used for delivering marketing campaigns by delegating more customers to the Relationship manager or to the staff of the Bank.
* Responsibilities:
* Gathered requirements from the clients.
* Designed functional and program specifications.
* Used Eclipse for building the application.
* Amended the presentation layer of the application using Servlets and JSP.
* Used JavaScript for client side validations.
* Used Jenkins for building / Deploying application.
* Used Log4j for logging information.
* Used Ant Script to build application.
* Supported various phases of testing.
* Used Subversion for software versioning and as revision control system
* Environment: Eclipse IDE, Java, J2EE, HTML, CSS, JSP, JavaScript, Spring Core, Hibernate, Junit, Log4j, SVN, Apache Tomcat.