 **Santosh Babu**

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**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 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.
* Expert knowledge in Continuous Integration and Continuous Deployment (**CICD**) using **DevOps** tools, SSH, **Git, Bitbucket**, **ICinga**, **Jenkins, Sonar** etc.
* Expertise working in various Application Servers like **Web**S**phere**, **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, MLab**.
* Hands on experience in integration of third party Content Management Systems like **STIBO** systems. Hands on experience in integration of **OpenStack Object Storage**
* Experience in end to end application, starting from architecture to deployment.
* 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, IntelliJ Idea.
* Experience in using, Junit, WinRunner and selenium, cucumber for behavioral driven testing
* Experience building, deploying applications using AWS EC2, EBS, AWS RDS, SNS, SQS cloud formation.
* Recognized as a strong team player and team builder, mentor to all levels of technical consultants and high result oriented.

**TECHNICAL SUMMARY**

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| **JAVA/J2EE Technologies** | Core Java, Multithreading, Collections framework, JDBC, Servlets, Filters, JSP |
| **Server Side Frameworks** | Struts 1.x, Spring 4.x, Spring boot, Hibernate 4.x, myBatis, RESTful, Jersey, Solr 4.2, Junit, Mockito, Spring Test Framework, Log4j, Logback, D3.js |
| **UI Side Technologies / Frameworks** | JavaScript, nodeJS, AngularJS, BackboneJS, Bootstrap, wordpress, HTML5, CSS3/LESS/SASS, JQuery, Jasmine, Cucumber, Karma, Mocks, JSON |
| **Cloud Technologies and Servers** | AWS EC2, S3, SNS, SQS, Cloud formation, Cloud Foundry, Open Stack, Tomcat 7, WebLogic 9.2, Web Sphere 8.0 |
| **Databases and OS** | Oracle 11g, MS-SQL Server 2008, MySQL, Windows 7, Ubuntu 14.04, RHEL 6.x,Solaris, MongoDB, Cassandra. |
| **Development Methodologies** | Agile (Scrum, XP), 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, Apache Kafka, Active MQ, IBM MQ, AWS SQS |
| **Container Services** | Docker, AWS Kubernetes |
| **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**

* AWS Certified Solutions Architect - Associate

**EDUCATION**

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

**PROFESSIONAL EXPERIENCE**

Sr. Java/J2EE Developer

Advance Auto Parts, Richmond, VA June 2015 – Present

**Responsibilities:**

* Extensive experience with AngularJS, creating custom directives, decorators, and services to interface with both restful and legacy network services also DOM applications.
* 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.
* Written Angular controllers to render data from and to display to the client.
* Bootstrap used along with AngularJS in creating the Application.
* 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.
* Created SNS notifications and assigned ARN to S3 for object loss notifications.
* Developed a cross-device/cross-browser web application for real-time location sharing utilizing AngularJS, JavaScript API.
* Extensive experience with AngularJS, creating custom directives, decorators, and services to interface with both restful and legacy network services also DOM applications.
* Developed custom directives and Services in AngularJS.
* 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.
* Used Kafka as message broker service.
* Used Build Tool Gradle for setup of Build Jobs in Jenkins.
* Development of chef cookbooks for systems configuration management and software deployments.
* Use of vagrant for chef cookbook testing.
* 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 (AWS) 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 phases of Software Development Life Cycle.
* Spin up AWS EC2 Instances and assigned security groups. Used S3 API to store and retrieve the image files.
* Implemented BDD with cucumber.
* Build using Maven and used Jenkins to perform CI/CD.
* 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. Used Postman to test Rest web API.
* 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 8, Spring core, Spring MVC, spring ORM, AngularJS 1.x/2.0, Twitter bootstrap, IBM Bluemix, JDeveloper, Mongodb, Angular 2.0, HTML 5, CSS, Javascript, JSP, JQuery, GIT, AWS, bash, RESTful, OAuth, SonarQube, MobaXterm, maven, Jenkins, cucumber, JIRA, WebLogic, Apache HTTP.

Java Full Stack Developer

ADP, Alpharetta, GA April 2013 – May 2015

**Responsibilities:**

* 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.
* Deployment and management of many servers via script and Ansible, utilizing cloud providers as a direct Jira.
* Maintained Ansible Servers and management application that can use to build and deployment of existing Java/.Net applications environment.
* Created a DevOps workflow using Jenkins, GIT and Ansible.
* Worked with advanced MVC framework such as Spring-IOC, AOP, MVC and Batch which is used for implementing backend functionality.
* Participated in coding Spring boot 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.
* Implemented AWS IAM for managing the credentials of applications that runs on EC2 instances.
* Used AWS SDK to connect with Amazon SQS for bulk email processing.
* Implemented AWS solutions using EC2, S3, RDS, EBS, Elastic Load Balancer, Auto-scaling groups.
* Used SNS for notification service in the application.
* Used Java Message Service (JMS) for reliable and asynchronous exchange of important information for status report.
* Used ActiveMQ for message management in the queue and for brokerage service.
* Implemented Authentication & Authorization with spring security.
* 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, Servlets, Spring-MVC, IOC, AOP, Hibernate, Eclipse, Angular 1.5.x, Bootstrap, CSS3, HTML5, Web logic Server, WSDL, SOAP, JAX-WS, AXIS, Jersey, Oracle 11g, RabbitMQ, Oracle SQL Developer, PaaS, GIT, JIRA,AWS, Junit, Mockito.

Sr. J2EE Developer

Geico, Chevy Chase, MD July 2011- Mar 2013

Responsibilities:

* 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 IBM MQ for message broker service.
* 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.
* 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, JSP, JNDI, HTML/HTML5, AngularJS, Bootstrap, JavaScript, Struts 2.0, Web services, MongoDB, AWS S3, EC2, Spring3.1, Oracle PL SQL, Unix, IBM MQ, IBM WebSphere Application Server 7.1, Eclipse, JUnit, Oracle SQL Developer, Lotus Notes, QC/ALM, IBM Rational Clear case, Log4j

Systems Engineer/Java Developer

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

Project #1

**Responsibilities:**

* 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.