 **Santosh Babu**

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**PROFESSIONAL SUMMARY**

* **5**+ 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.
* 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**.
* Extensively worked with **NoSQL** Databases like **MongoDB, Cassandra, Mongoose, MLab**.
* 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**

Java Full stack Developer

T-Mobile, Richardson, TX 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.

Sr. Java/ J2EE Developer

Verizon, Dallas, TX June 2014 – 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.
* 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.

Java/J2EE Developer

Sonata software, India January 2012 - Dec 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.
* 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