**Name: Sindhu G**

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**SUMMARY:**

* **Seven** plus years of software development experience involving **object-oriented analysis, design, development, and support of web based and n-tier client/server applications** based on **J2EE** technologies.
* Experience in developing User Interactive (UI) Web Pages and visually appealing User Interfaces using **HTML5, CSS3, Bootstrap, JavaScript, Typescript, JSON, jQuery, AJAX, AngularJS, Angular 5/6, Webpack and Gulp.**
* Experienced in developing single page applications using **Angular JS, Angular 5/6** using **Typescript** based component development.
* Built rich prototypes and applications using **HTML5**, **CSS3**, **JavaScript**, **jQuery**, **Ajax**, **JSON**, **AngularJS** and Bootstrap.
* Proficient in developing web pages and effectively using **HTML 5, CSS3, JavaScript, JQUERY**, **CSS Pre-Processors** and experience in making web page cross browser compatible.
* Expertise in Designing and developing interactive Front-end applications using **HTML5**, **CSS3**, **JavaScript**, **Typescript** and **AJAX**. Good experience using **Angular**, **Bootstrap** for **Responsive** **Web** **Design** (RWD) and **CSS** media Queries.
* Developed specialized search system using **MongoDB**, **AngularJS**, **Node-JS, and Express-JS**.
* Good experience in **Object Oriented Analysis & Design (OOAD)** using different design methodologies/ process frameworks like **SDLC**, **Rational Unified Process (RUP)** and tools like **UML**, **Rational Rose**.
* Expertise in using J2EE technologies like **JSP, Servlets, EJB, JDBC, Java Beans, JMS, RMI JNDI, XML** and **Web services** (**RESTful** and **SOAP**).
* Experience in developing Web-Centric applications using **AngularJS, NodeJS, JavaScript, jQuery, CSS3, and Photoshop.**
* Implemented online distribution system engine for company website, including frontend, middle tier, and backend in full MEAN stack (**MongoDB, Express**, **AngularJS** and **Node.js**).
* Good Experience in software configuration management using **CVS, GIT and SVN.**
* Experience in using frameworks and tools like **Struts, Hibernate, spring, ANT, JUNIT, LOG 4J** and **JSF** framework.
* Experience in Web **Design, SOA, AJAX, CSS, XML, WSDL, SOAP, Restful, Dojo, jQuery, Java/J2EE, Struts2.0, Spring 3, Hibernate 3.0.**
* Good Knowledge of **Web Application Development** Technologies such as **HTML, DHTML, CSS, XSLT, XML (SAX, DOM), Custom Tags, JAVA SCRIPT**.
* Expertise in using IDE tools like **RAD, WSAD, Eclipse, Spring STS** and **Borland JBuilder** and **Oracle JDeveloper**.
* Worked with **Maven**, **ANT Builder** for application building, scheduling, mailing and automation.
* Efficient in deploying applications using **IBM Web Sphere, Web logic App Server, JBOSS** and **Tomcat** Web Server.
* Built Rich Prototypes and Applications using **HTML5**, **CSS3**, **JavaScript**, **jQuery**, **Ajax**, **JSON**, **Backbone**.js and **Bootstrap** with **MySQL** database.
* Experience in designing and developing enterprise applications using **J2EE** technologies like **JDBC**, **JNDI**, **JMS**, **JAXR**, **JMX**, **JAXB**, **Webservices** - **SOAP**, **RESTful**.
* Extensive Experience in using various design patterns such as **MVC (Model –View-Controller), Singleton, Session Façade, Factory, DAO, Front Controller and Business Delegate** in the development of Multi-Tier distributed Enterprise Applications.
* Possess expertise in designing and developing web and mobile applications using **HTML 5, CSS3, Less, JavaScript, jQuery, NodeJS, AngularJS**.
* Experienced in developing and running application in cloud environments such as **AWS.**
* Experience in developing **SQL**, **Stored Procedures, functions, triggers** using **Oracle** and comfortable working with databases like **SQL Server, DB2, No-SQL (Mongo DB, Cassandra) and MySQL**.
* Familiar with all aspects of technology projects including **Business Requirements, Technical Architecture, Design Specification, Development and Deployment**.
* Extensive experience using **spring** framework and using **Hibernate** as **ORM/OGM**.
* Extensive experience in **JSON, JAXB, JAXP** and hands on experience creating Web Services based on **REST** framework.
* Experiences with build tools include **Maven**, **Gradle** and **Jenkins** Version/Source Control tools including **SVN**.
* Extensive experience using **Junit** for unit /integration testing of application components.
* Fast learner and highly analytical with excellent interpersonal and communication skills.
* Extensive experience and actively involved in **Requirements gathering**, **Analysis, Design**, **Coding** and **Code Reviews**, **Unit, and Integration Testing.**

**SKILL SET:**

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| --- | --- |
| **J2EE Technology**  | Java Beans, Servlets, JSP, JDBC, EJB, JSF, JMS, Web Services |
| **Architecture & Framework** | NodeJS, MVC, J2EE, Struts, Spring, JSF, Hibernate |
| **Database** | Oracle 11g, SQL server, MySQL, MongoDB, Cassandra |
| **IDE** | Eclipse, Net Beans, IBM RAD, JBuilder, Net Beans, Brackets |
| **Design Methodology** | UML, Fall, Agile |
| **UI Technologies** | HTML, XML, AngularJS, BackboneJS, JSF, AJAX, JavaScript, CSS, jQuery, Angular JS 2.0 |
| **Query Languages** | SQL, PL/SQL |
| **Programming Language** | Core Java APIs (I/O, Thread, Collection) |
| **Design patterns**  | Business Delegate, Business Object, Value Object, Front Controller, Database Access Object, Factory, Singleton, Session Façade |
| **Tools:** | BEA WebLogic 8.1, JBOSS, IBM WebSphere Application Server 6.1, Tomcat 6.0, JUnit 4.0, ANT, Log4j, Mercury Quality Centre, Rational Clear Quest. ANT, Maven, Gradle, SVN, Toad, No-SQL, TOAD, AWS |
| **Design & Control**  | UML, Rational Rose, CVS, Clear Case, SVN |

**EDUCATION:**

* **Bachelor of Technology in Computer Science from JNTU Kakinada, INDIA.**
* **Master’s in computer engineering from Missouri University of Science and Technology, USA.**

**CERTIFICATION:**

* **Oracle Certified Java Developer**

**PROFESSIONAL EXPERIENCE:**

**AT&T, Middletown, NJ July 2017 – Present**

**Role: UI / Java Developer (Full Stack developer)**

**Responsibilities:**

* Worked as the lead developer and supervised an offshore team to develop a small extremely useful, alert monitoring system using **Angular** and **Spring** **MVC** which helps with monitoring the status of different jobs/processes and detects silent failures.
* Built the client APIs for the tool for **Java, Python, Linux Shell, and PHP** that are used to send heartbeats to the server.
* Using **Angular** and **Node** **JS** as a backend developing an **UI** where we display the datasets using **bar charts** and pie representations according to the client requirements.
* Developing various download features for the data filtered out accordingly to analyses the various campaigns that are being used in the system like **HNM** and **SHM**.
* Developing global services and **Angular** **guards** to make sure the data flow throughout without discrepancies throughout the app.
* Performed application development following **Agile** Scrum methodology by taking part in analysis, **design**, **coding**, **unit**, and **integration** testing of business applications.
* Designed and developed web applications using **Core** **Java, Spring Core, Spring Boot, Spring MVC, RESTful web services, HTML5, CSS3, JavaScript, SASS, Angular 6, Typescript, Bootstrap** and **Postgres/Aurora Postgres.**
* Developed various feature specific modules using **Angular** **components**, **modules**, **services** and **pipes**.
* Developed the application using **Angular CLI** and **Webpack** and took part in developing unit test cases using **Angular** test bed utilities and Jasmine.
* Developed various services to perform backend application calls using **Angular** **Http** and used **RXJS** observables to subscribe for responses.
* Created various **Angular** route guards for various routes using angular **router** **module** and developed services using **angular** **http** **module** to communicate with backend **Rest** **services**.
* Worked on Core Java concepts such as **OOPs**, **Collections**, **Exceptions** **Handling**, **Annotations**, **Enums**, **Lambda**, and **Generics**.
* Used Java Collection components such as **Array List**, **LinkedList**, **Set** and **Hash** **Map**, **Linked** **Hash** **Map** for caching data.
* Developed **RESTful** web services with **Spring** **Boot** framework in a **Microservices** architecture style
* Involved in developing code for obtaining **bean** references in spring framework using **Dependency** **Injection** (DI) or **Inversion** **of** **Control** (IOC) using annotations.
* Developed the **DAO** layer for the existing applications using **Spring** and **Spring** **JDBC** for different databases such as **Postgres**/**Aurora** **Postgres**.
* Used Behavior Driven Development with **Cucumber** framework for **automation** testing of plugin and **microservices**
* Worked with **DevOps** Engineer team to spin up new QA environment for automation
* Used **Mockito**, **Power Mock**, **Power Mockito** and **Junit** libraries for unit testing and integration testing
* Worked with Network security Engineer to troubleshoot the issues while provisioning and commissioning the device
* Used **Maven**, **GitHub** as version control, **Jenkins** and Concourse for **CI/CD** pipeline, **Jira** for project tracking

**Environment**: GIT, Source Tree, JSON, Maven, Bamboo, Spring Boot, STS, Postgres/Aurora Postgres, AWS, Java 1.8, Spring, Spring Boot, Spring JDBC, Spring MVC, REST, Log4j, HTML5, CSS3, JavaScript, SASS, Angular 6, Typescript, Bootstrap

**JP Morgan Chase, Lewisville, TX Nov 2016 – Jun 2017**

**Role: UI / Java Developer (Full Stack developer)**

**Responsibilities:**

* Worked in the Chase’s BMW (Business Middle Ware) group to implement the web based tool called **JARVIS** which is used to track the incoming work and work done by the 35 agile teams which are part of the BMW group which is a part of consumer banking sector.
* Development of user stories as per the requirement in agile methodology using spring MVC**, spring boot, Mybatis, Oracle DB, maria DB, ANGULAR 2, CSS3, Typescript and JS**.
* As a team took agile training and got the agile certification as part of the agile transformation that was going through the whole firm.
* Involved in writing the application level code to interact with APIs, Web Services using **AJAX, REST AND SOAP**.
* As a team we migrated the application from **SVN** to **GIT** including the history of the files and application. Used source tree and bitbucket UI tools to interact with the GIT.
* Used **HTML5**, **CSS3**, Bootstrap, JavaScript, **Typescript**, **Angular** 2.0, **Node** JS excessively to achieve the lot of functionalities throughout the app.
* Designed dynamic client-side **JavaScript** codes to build forms and simulate process for web application, page navigation and form validation using **Angular** 2.
* Created **Typescript** reusable components and services to consume REST api’s using component-based architecture by **Angular** 2.
* Created **Angular** components, services, directives, and forms to collect different user data and implemented editable tables and form validations using **Angular.**
* Implemented Bar charts, pie charts etc. using high charts API to graphically represent the data on UI pages and provided the links to different pages within the app when user clicks on any charts.
* Used **spring security** on both client side and server side throughout the app to provide restricted functionality access for different roles.
* Used **Ehcache** to implement the caching in the app which is refreshed twice a day to update the incoming data into the application database.
* Migrated the app from traditional **spring MVC** to **Spring Boot**. Developed **Spring's** **IOC**, **AOP, Spring MVC**and spring's integration with **Hibernate** and **Struts** technologies.
* Developed presentation layer using **struts** **tag libraries like logic, html, bean**, etc in **JSP** pages.
* Integrated the **JIRA** with the app to pull the information of user stories, features, sprints, etc. a team working on to track the work of the team.
* As part of the JIRA integration used **JQL** and **Groovy** to convert the JSON coming from JIRA to **JAVA** objects.
* Used Java mailing API to generate automated e-mails as part of the batch processing which runs twice a day, and which send to a specific group based on the environment.
* Implemented excel download using xlsx API on different web pages throughout the application and used commons IO library.
* Performed **JUNIT** testing (both unit testing and Integration testing) extensively so that the code coverage would be more than 80%.
* Used **Mockito** extensively to achieve the code coverage goals and introduced selenium to build the regression testing suite.
* Used **log4j** logging framework to log traces of application in debugging the issues and later on upgraded the version to log4j2.
* Used **MyBatis** to automate the mappings between the SQL database and the Java Objects by packaging the SQL statements in XML configuration files.
* Implemented the batch processing and **CRON** job, which runs twice a day to refresh the data used by the app from the firm’s external database.
* Deployed the application to cloud foundry as part of the firm wide cloud migration and used lot of services offered by the cloud environment.
* Deployed the app on different nodes on cloud foundry and used **APPVIEWX** tool to enable and disable the data centers those are active at a given time.
* Used the blue green deployment process to deploy the app to different environments using the **Jenkins** without any outage if there is no DB change.
* Did the **Splunk** integration to cloud foundry to flow all the application logs, which is a single repository for the BMW space within chase.
* Migrated the application from **oracle DB** to **MariaDB**, which is a service, offered by the **Gaia** cloud foundry.

**Environment:** Java 1.8,Spring MVC, Spring Boot, JMS, MyBatis, Mockito, Eclipse, UML, HTML5/CSS3, Angular 2,TypeScript, Bootstrap, JSON, Tomcat, Ajax, Oracle, JNDI, JUNIT, Jenkins, Maven, Oracle 10g, GIT, SVN, Cloud, Maria DB

**Hughes, Germantown, MD Aug 2015 – Oct 2016**

**Role: UI / Java Developer (Full Stack developer)**

**Responsibilities:**

* Used **Angular-JS to** design and develop the user interfaces and followed **Agile Methodology** for application development.
* Implemented user interface guidelines and standards throughout the development and maintenance of the website using **Bootstrap, HTML5, AngularJS, CSS, AJAX, JavaScript, and jQuery.**
* Involved in requirement gathering, customer interaction, analysis of the requirements and project module designing.
* Built a complete content management (CMS) in **AngularJS** as Front end and java (using **REST**) as backend for creating web and mobile-based applications.
* Used the basic principles of **MVC** to incorporate the **AngularJS** to build client-side application and **Node**.**js** for building server side API's.
* Developed templates for multiple screens by using **AngularJS** markup and expressions.
* Created **AngularJS** Controllers, Model, View, Services which isolate scopes to perform operations in UI.
* Defined new validations through **AngularJS** for the form field validation implemented through **HTML5** by using **ng-messages, ng-required, ng-if** etc.
* Performed Server-Side programing using **NodeJS** in Creating Custom Http Services, File Manipulation, and **RESTful** services.
* Developed components of web services (JAX-WS, REST, JAX-RPC, Apache CXF) end to end, using different JAX-WS standards with clear understanding on WSDL (type, message, port Type, bindings, and service), SOAP using various message exchange patterns like In only and In Out.
* Built a **RESTful** **API** to save and retrieve geolocations using a remote server in Java using **Spring**, **MongoDB**, **Apache CXF**, and **JAX**-**RS**.
* Using **Spring** XML configurations, annotations, wrote controllers to handle incoming requests and send output to the UI.
* Worked to secure our **RESTful** web services with **Spring** security to authenticate any third-party requests coming in.
* Designing and development of Core Java applications using **Multithreading** and **collections**.
* Extensively used **Hibernate** **Query Language** (HQL) for data retrieval from the **Oracle10g** database and process the data in the business methods.
* Worked on **Spring** application framework features IOC container and AOP and integrated Spring with Hibernate using the Hibernate Template.
* Extensively used Java Collections APIs &**Multi-Threading** in handling batch service requests
* Securing REST services with **Oauth** 2.0 authorization specification.
* Implemented **Hibernate** and **Spring's DAO** layer together offer a high performance, productive approach to persist Plain Old Java Objects (**POJOs**).
* Developed Spring DAO’s to connect to **MongoDB** using **Spring Mongo Template** and created document and collection mappings.
* Analyzed code coverage report from **Jenkins** to improve code coverage and configured multiple plugins in deploying applications onto **Tomcat**.
* Managing and working on **Atlassian** products such as **Confluence, Jira,**and **Stash (Git).**
* Created Prototypes using **MEAN (Mongo-dB, express, Angular and Node)** stack and involved in deploying the application to **AWS** environment.
* Involved in configuring builds using **Jenkins** with **Git**, configured, and used **Jenkins** to deploy the applications onto **Dev, QA, UAT** environments.
* Worked in implementation of **UNIX shell scripts** for file transfer and processing.
* Performed system administration of **UNIX** servers by using Operating Systems of Solaris 10/11.
* Work experience in **Maven** build tool, Jenkins continuous integration continuous deployment tool.
* Reviewed existing code and recommended effective coding standards for code reuse and performance by making effective use of various designs patterns.
* Used **Maven** as the building tool and involved in designing database schema changes and J2EE software upgrades to support new feature.
* Implemented testing measures by writing unit and automation testing (**Selenium**, **Mockito**, **Cucumber**, Junit).
* Developed, Tested and Deployed application in **IBM WebSphere** application server.
* Worked with **AS400** database system to write simple and complex **SQL** and **PL/SQL** statements for implementing database operations.
* Developed various reusable helper Java classes, which can be used across all the modules of the application based on the requirements.
* Have done code reviews, debugging, bug fixing, performance tuning and unit testing.
* Involved in technical mentoring, production system support and customizing solutions.

**Environment:** Java 1.7, Spring MVC, JMS, Hibernate 4.0, Spring 4.2, Angular-JS 1.5, Eclipse, UML, HTML5/CSS3, Java Script, Bootstrap, JSON, Tomcat, Ajax, Oracle, JNDI, JUNIT, Jenkins, Maven, Oracle 10g, GIT, AWS

**Answerthink, Hyderabad, India Jan 2013 – Dec 2013**

**Role: Java Developer**

**Responsibilities:**

* Using **RUP** and **Rational Rose,** developed **Use Cases**, created **Class, Sequence** and **UML diagrams.**
* Involved in developing the complete process flow of **PNG system** for all the layers and Developed **JSP** custom tags in the web tier to dynamically generate web pages.
* Participated in all the phases of the development namely Web Component Creation, Enterprise Bean Creation, Application Assembly and Application Deployment.
* Designed and developed various modules of the application with **J2EE** design architecture, **JDBC**, **JSP**, JSF, **EJB**.
* Developed Web-tier authentication consisting of **HTTP basic authentication, form-based authentication, and HTTP mutual authentication.**
* Enriched UI using **JSF UI** Components and **Backing Beans**, **JSF**, **JMS** involved in configuring faces-config.xml for navigations, controllers.
* Involved in fixing defects in application- worked in **JSF** managed beans, converters, validator, and configuration files.
* Used Framework and **JSF** with **Face lets** at the Web tier level to isolate each layer of the application to avoid the complexity of integration and ease of maintenance.
* Developed Add, Edit, and profile view web pages for the monitor module using **JSP**, **JSF HTML**, **JSFCORE** tags library.
* Used **JSF** for internal report generation by fetching data from database with customized view using CSS and **AJAX** for form processing. Implemented Message Driven Bean Using **JMS**. Implemented enterprise applications with **jQuery** and **Spring MVC**.
* Developed pages using **JSF** features like converters, validators, action Listeners, custom components, etc.

and created conditional logics in pages using **JSF tags** and **JSTL**.

* Developed UI for Customer Service Modules and Reports using **JSF, Prime Faces, Apache My Faces**

**Components, Ajax4JSF framework (Ajax).**

* Used **Java** classes**, EJB, Spring, Spring Dependency Injection**, and **XML** for developing the complex business rules.
* Developed **Webservices** in the **service** layer and implemented **Web** Services based on SOA architecture with **RESTful**.
* Worked mostly on back end **MYSQL**, designed database structure, and created persistent objects.
* Updated legacy Ant build infrastructure to new **Gradle** based build system, enabling more robust test, build and release procedures.
* Worked on the **UI Customization**, modifying the **HTML** as well as **JSP Pages**. And Applied patches to Plateau LMS and written consolidated shell scripts to apply all the DB patches.
* Involved in writing the Packages, functions, processes, and used cursers during the development of PMG.
* Also involved in fixing the bugs, prepared the release notes, and also involved in the delivery of the customization to the customer.
* Used Spring Dependency Injection along with the **Spring Web Flow** for the Presentation Layer of the HR Modules.
* Involved in writing the **Control Files and** Used **SQL Loader** to load the data from flat files to Intermediate Tables.
* Involved in the development of the consumer interface using classes, Packages, Functions, Procedures and Cursors etc.
* Involved in writing the **XSL Transformation files, which transform XML data.**

**Environment:** Java/J2SE 1.5, JSP, JSF, Servlets, Gradle, Springs, HTML, Java script, Agile, Rational Rose, Oracle, Eclipse, SVN, UML, XML, MYSQL, EJB