**Tanmai Badola**

**Sr. Java Full Stack Developer**

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**Professional Summary:**

* Over **8+ years** of experience in Java/J2ee, Web Development, designing User Interface (UI) applications and professional web applications
* Working knowledge and experienced in multi - tiered distributed environment, OOPS and OOAD concepts, good understanding of Software Development Lifecycle (SDLC) and Service Oriented Architecture (SOA).
* Experience working in environments using Agile (SCRUM) and Test-Driven development methodologies.
* Expertise in design and development of various web and enterprise-level applications using Java/J2EE technologies Such as spring, Hibernate, Struts framework, EJB, Servlets 3.x.
* Having Experience on Unit testing and Integration testing of the applications by using JUnit and Mockito and Automation testing by using TestNG, Selenium, Cucumber and Gherkin.
* Experience with Docker containers, leveraging Linux Containers and AMI's to create Docker Images/ containers.
* Worked in both Unix and Windows based development environments.
* Good programming and debugging skills in Unix Shell Scripting.
* Extensive experience in developing Use Cases, Activity Diagrams, Sequence Diagrams and Class Diagrams using Visio.
* Extensive experience in Java/J2EE programming technologies like JDBC, Servlets, JSP, JSTL, JMS, EJB 2.0/3.0.
* Experience in development of Micro Services and Deployed application using Pivotal Cloud Foundry (PCF) CLI.
* Participated in development of a well responsive single page application using React JS
* Participated in development of a well responsive single page application using React JS framework and JavaScript in conjunction with HTML5, CSS3 standards, with front end UI team
* Expert knowledge over J2EE Design Patterns like MVC Architecture, Singleton, Session Facade, Business Delegate and Data Access Object for building J2EE Applications.
* Experienced in web development using HTML5, DHTML, XHTML, CSS3, JavaScript and AJAX technologies
* Experienced in developing MVC framework-based websites using Struts 1.x/2.x, JSF and Spring 3.1.
* Experience in building web applications using Spring 3.1 Framework features like MVC (Model View Controller), AOP (Aspect Oriented Programming), IOC (Inversion of Control), DAO (Data Access Object) and template classes.

**Technical Skills:**

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| **Languages** | Core Java |
| **Frameworks** | Struts 1.2/2.0, Spring 4.2, Hibernate 5 |
| **Database** | Oracle 11g/10g/9i, MySQL, DB2, Sybase, SQL Server 2005 |
| **J2EE Technologies** | Servlets 2.x/3.x, JSP 2.1/2.2, EJB 3.0/3.1, JDBC 3.0/4.0 |
| **Web Technologies** | HTML5, CSS3, XML, JSON, JavaScript, Angular JS, Bootstrap, jQuery |
| **Application Servers** | Apache Tomcat 7.0/8.0, WebLogic 11g/12c, IBM WebSphere 8.5/7.0, JBoss4.2 |
| **Protocols** | HTTP, SOAP, REST |
| **Methodologies** | Agile, Scrum, Water - fall |
| **Scripting** | Shell, Perl/CGI |
| **Version control** | GIT/Stash, CVS, Tortoise SVN |
| **IDEs** | Eclipse 3.x/4.x, STS, NetBeans 8.0.2, RAD 6.0/7.0/7.5, WSAD 5.0/4.0 |
| **Build Tools** | Apache ANT, Maven 1.4 |
| **Design tools** | Microsoft Visio, Rational Rose, MS Project |
| **Operating Systems** | Windows, Unix, Linux |

**Professional Experience:**

**Client: Goldman Sachs, New York, NY Apr 2021 - Present**

**Role: Sr. Java Full Stack Developer**

**Responsibilities:**

* Involved in analysis, specification, design, and implementation and testing phases of Software Development Life Cycle (SDLC) and used agile methodology (SCRUM) for developing application.
* Application is implemented using agile methodology where there is a daily SCRUM (KANBAN) meeting to understand the status and resolve any issues.
* Designed and developed the End Points (Controllers), Business Layer, DAO Layer using Hibernate/JDBC template, using Spring IOC (Dependency Injection).
* Developed forms for user event handling and validations using JavaScript and AJAX.
* Upgraded existing UI with HTML5, CSS3, JSON and Bootstrap.
* Involved in multi-tiered J2EE design utilizing Spring Inversion of Control (IOC) and hibernate.
* Build the application based on new features of Java Jdk 1.8 at service layer level.
* Designed MVC architecture and Front control design pattern using Spring MVC Framework for Presentation tier and I have written code for the using Spring MVC Framework for Presentation layer and spring dependency injection.
* Used spring framework for Dependency Injection and integrated with Hibernate.
* Primarily focused on the spring components such as Dispatcher servlets, Controller s, Model and View Objects, View Resolver.
* Involved in developing Spring Beans and wiring their dependencies.
* Worked on Java 8 Streams and on lambda expressions.
* Coded extensively using JavaScript, Angular JS to make rich internet web application for a Single page app.
* Used Hibernate, object /relational mapping (ORM) solution, technique of mapping data representation from MVC model to Oracle Relational data model with an SQL-based schema.
* Recommended and guided the team in building out a lean, responsive UI layer utilizing Semantic HTML5, BOOTSTRAP, and REST API architecture. Developed front end for the entire website using HTML5, CSS3, JSON and JAVASCRIPT.
* The Java Message Service (JMS) API is used to allow application components to create, send, receive, and read messages.
* Used JBoss6.x Application server to deploy the applications.
* Extensively worked in XML related technologies XSLT, XPath, XQuery, DOM, and SAX.
* Involved in writing application-level code to interact with APIs, Web Services using AJAX, JSON, and XML
* Tested Rest web services using postman, SOAP UI.
* Developed application using Angular JS and Node JS connecting to Oracle on the backend.
* The back-end use Node JS, to provide RESTful API.
* Involved in creating the Hibernate POJO Objects and mapped using Hibernate Annotations.
* Implemented Angular 2 services to connect the web application to back-end APIs.
* Hands-on experience using one-way/two-way databinding, filters, UI-routers and creating custom directives in Angular 2.
* Involved in development of commonly used angular components across teams such as directives for grid, pagination, conditional validations.
* Extensive experience of Object-Oriented JavaScript design pattern and JavaScript MVC Patterns Preferably Angular JS for building UI Widgets and Application logic.
* Developed data formatted web applications and deploy the script using JavaScript.
* Involved in installing and configuring Maven for application builds and deployment.
* Implemented the application using Spring IOC, Spring MVC Framework, Spring Batch, Spring Boot and handled the security using Spring Security
* Design, develop and test HTML, CSS, jQuery, React JS, Redux that meets accessibility of web browser.
* Worked with core java concepts like Collections Framework, Multithreading and Memory management.
* Used Junit, Mockito and test rest template for testing the rest services and camel routes etc.
* Used Maven to build and run the selenium automation framework. Configured Maven for Java automation projects and developed Maven Project Object Model (POM.xml).
* Built JavaScript based test framework using cucumber JS, web driver io, node.js, angular.js
* Experience on TDD and BDD environments like Cucumber JS, Jasmine, Mocha, Karma.
* Worked with Web Sphere application server that handles various requests from Client.
* Used JIRA to assign, track, report and audit the issues in the application.
* Used GIT to maintain the version of the files and took the responsibility to do the code merges from branch to trunk and creating new branch when new feature implementation starts.
* No SQL databases like Cassandra and HBase and comprehensive knowledge and experience in process improvement.

**Environment:** JAVA 1.8, Ajax, XML, XSD, WSDL, Angular 2, HTML4/5, CSS 2/3, JSON, Express JS, React JS, jQuery, Jasmine, Spring 3.x, JIRA, java script, Hibernate 3.x, servlets, JAX-RS, SOAP, GIT, JUnit 4.0, JMS, Maven, Eclipse, web sphere, Node JS, AWS, Angular 2, Multithreading, bootstrap, No SQL.

**Client: Guardant Health, Spring, Texas Dec 2019 – Mar 2021**

**Role: Sr. Java Full Stack Developer**

**Responsibilities:**

* Worked as a full stack developer to develop web applications using spring, Rest based Web services. Used HTML5, CSS3, JavaScript, JSP, JQUERY, Angular JS, AJAX, and Bootstrap in front end.
* Involved in Design, Development, Unit Testing, and maintenance of CEC application.
* Involved in discussions with Business Analysts and designed the TDD (Technical Design Documents).
* Involved in writing Spring Configuration XML files that contains declarations and other dependent objects declaration.
* Designed and documented REST/HTTPAPIs, including JSON data formats and API versioning strategy.
* Developed user interface using BOOTSTRAPUI and Angular JavaScript to simplify the complexities of the application
* Worked extensively with importing metadata into Hive using Scala and migrated existing tables and applications to work on Hive and AWS cloud Developed code for both server side and client-side implementations using Spring Web MVC, AOP and Dependency Injection.
* Developed User Interfaces using HTML and Backbone.JS.
* Developed reusable Backbone.JS directives and worked on Backbone.JS Controllers which Isolates scope to perform operations in UI.
* Implemented scripting with Ajax and XML to dynamically refresh the page contents and Implemented JAXB in XML binding.
* Experience in Developing User Interface (UI) Rich Web Applications and Web Service Applications using HTML 4, XHTML, CSS 2, XML, AJAX, Object Oriented Java Script, ANGULARJS, REACTJS, BOOTSTRAP Framework, RESTful services, JAVA, JSP.
* Working on AWS Elastic load balancing for deploying applications in high availability.
* Developed API for using AWS Lambda to manage the servers and run the code in the AWS.
* Angular JS was used to parse the JSON file using the REST web services.
* Developed business tier components and services using RESTful web services.
* Used Spring Rest Controllers, Spring Web MVC and Spring Boot extensively to implement server-side business logic.
* Developed cross-browser/platform HTML5, CSS3, and JavaScript to match design specs for complex page layouts while adhering to code standards.
* Used advanced level of HTML5, JavaScript, CSS3 and pure CSS layouts (table less layout).
* Used Spring JPA to design entity data mapping with Oracle DB.
* Implemented Log4J1.2 for Logging Errors, debugging and tracking using loggers, appenders.
* Involved in JAD sessions with the client and functional team and gave demos on developed functionality.
* Involved in production support for resolving user problems.
* Involved in pre-testing the Web-Service calls with Postman (Plug-in for chrome).
* Developed JUnit test classes for Controller, Service and Data layers
* Performed code reviews and provided guidelines for best practices of software management, Coding Standards and Code Commenting for better understandability.
* Used Mockito for data mapping along with J-units.

**Environment:** Java 1.7, Backbone.JS, Spring Boot, AWS, Spring Web MVC, Spring REST, Spring JPA, IBM Rational Application Developer (RAD) Eclipse, Apache Tomcat, Twitter Bootstrap, IBM Clear case, IBM Clear Quest, UML, XML, XHTML, HTML5, CSS3, ReactJS, XSL, Oracle, SQL Developer, Log4j.

**Client: Bliss Point Media, Los Angeles, CA Feb 2018 – Nov 2019**

**Role: Sr. Java Developer**

**Responsibilities:**

* Worked an Agile work environment with Content Management system for workflow management and content versioning.
* Developed the application using Spring Framework that leverages classical Model View Layer (MVC) architecture. UML diagrams like use cases, class diagrams, interaction diagrams (sequence and collaboration) and activity diagrams were used.
* Worked as a team member to develop web application, user interface, interaction scenarios and navigation based on analysis, interpretations of requirement and use cases.
* Worked with Dynamic widgets. Used AJAX and jQuery widget for data collection and display data on the front end.
* Developed robust, responsive Ajax driven UIs with AJAX, CSS, DHTML, JavaScript and jQuery.
* Developed graphical user interface (GUI) using HTML, CSS, and JavaScript.
* Implemented jQuery (CSS Layout and DOM manipulation and element selections) for several different business site updates, such as page layout changes and content updates.
* Worked on jQuery extensively for various user interactions, front-end validations, and other visual effects
* Worked on AJAX functionality for dynamic data binding for data grid, accordion, Ajax driven menu tabs using back-end service calls and consumed both JSON and XML data in UI Side.
* This application was written in Ajax, Java Script, JSP, jQuery, HTML and CSS.
* Used different JQUERY components in MVC architecture framework which internally use various design patterns such as singleton, command, delegate, etc.
* Redesigning the entire site with CSS styles for consistent look and feel across all browsers and all pages.
* Coded extensively using JavaScript, Angular JS to make rich internet web application for a Single page app.
* Recommended and guided the team in building out a lean, responsive UI layer utilizing Semantic HTML, REST API architecture. Developed front end for the entire website using HTML, CSS3, and JAVASCRIPT.
* Created custom validation using JavaScript Regular Expression and extensively used HTML Web forms.
* Ensured cross-browser compatibility by testing the applications of different browsers including Safari.
* Worked on multiple assignments which include development, implementation, and support role for different pages of above two sections.

**Environment:** HTML, DHTML, XHTML, JavaScript, jQuery, JSON, CSS, XML, JSP, JAVA, Ajax, XML, XSD, WSDL, Angular JS, Jasmine, Node JS, java script, Spring, Hibernate, JAX-RS, SOAP UI, SVN, JUnit, JMS, Maven, Oracle, MYSQL, Eclipse, Web Sphere Server

**Client: Brightly, Noida, India May 2014 – Nov 2016**

**Role: Java Full Stack Developer**

**Responsibilities:**

* Worked on Agile, SCRUM development methodology and built the application with Test Driven Development (TDD) and worked on testing using Karma.
* Worked on big data databases like MongoDB, with sharing and replication and played a key role in writing the Rest Services and clients, creating Data Access Objects with spring, designing the Mongo Documents/Collections.
* Created Test Scripts using Element locators and used Selenium WebDriver to test web applications.
* Developed core Service as maven jar that can be included by other Microservices.
* Used Spring Framework for Dependency Injection and Using annotation-based Spring MVC, Site Mesh for the web layer for validations.
* Designed developed and maintained the data layer using Hibernate and performed configuration of Struts,
* Application Framework.
* Involved in using React JS components, Forms, Events, Keys, Router, Animations and Flux concept.
* Involved in building stable React components and stand-alone functions to be added to any future pages
* Worked on Junit Reports library to merge individual XML files generated by the JUnit task and eventually apply a stylesheet on the resulting merged document to provide a brow-sable report of the test cases results
* Used Web Services on front end, Servlets as Front Controllers and Java Script and Angular JS for client-side validations.
* Worked on Multichannel Adobe analytics implementation (across web & mobile) and analysis to increase customer retention and improve consistent shopping experience.
* Using JavaScript, jQuery. Creating a Responsive web application integrating Twitter Bootstrap with React JS and gulp and media queries
* Used log4j for logging and Git for source code control
* Involved in implementing Test Automation Framework using Protractor with Jasmine.
* Used Angular JS and JBPM for making restful API calls and data binding
* Used Hibernate 3.0 in data access layer to access, update and insert information in the database
* Used Python scripts to generate various reports like OATS, P&L, transaction history, user privileges, limit rules and commission schedule reports. Generated Python Django Forms to record data of online users
* Wrote a Python module to connect and view the status of an Apache Cassandra instance.

**Environment:** HTML5/4, CSS2/3, JavaScript, JQUERY, AJAX, Angular JS, Node JS, Ext JS, Backbone.JS, React-redux, SASS, Junit, Servlets, JSP, JSF, EXPRESS, NPM, Bower, Grunt, GIT, PL/SQL, XML, IBM WebSphere, Agile, Karma, Jasmine

**Client: Gartner, Gurgaon, India Sep 2012 – Apr 2014**

**Role: Java UI Developer**

**Responsibilities:**

* Designed responsive and user-friendly UI with CSS, jQuery, Angular JS and Bootstrap.
* Coded Angular JS controllers and directives for application functionality and filters for heavy DOM manipulation.
* Used MongoDB as cross-platform storage in file storage, indexing, load balancing.
* Designed dynamic client-side JavaScript codes to build web forms and simulate process for Web application, page navigation and form validation.
* Used Cascading Style Sheets (CSS) for achieving uniformity through all the web pages.
* Developing custom HTML elements using Angular JS directives.
* Implemented various Angular JS services, components and custom directives and developed many reusable components and templates that can be used throughout the application.
* Used the Restful web services calls for POST, PUT, DELETE and GET methods.
* Worked with HTML5, CSS3, JavaScript, jQuery, Vue.JS and blade for developing user and admin interface.
* Involved in development of individual Sprints with the help of Git Hub.
* Developed Browse and Checkout modules of the application for different mobile and tablet versions
* Debugged the application using Firebug to traverse the documents and manipulated the Nodes using
* DOM and DOM Functions using Firefox and IE Developer Tool bar for IE.
* Extensively used Git for version controlling and regularly pushed the code to GitHub.
* Involved in daily SCRUM meetings to keep track of the project status.
* Worked with the team of architects and back-end Developers to gather requirements and enhance the application functionality and add new features.
* Developed presentation-tier JSP pages in HTML, Implemented jQuery Data Grid control, Validation control and other Widget controls
* Used Node JS, React JS, MVC framework for developing the Single Page Application

**Environment:** jQuery, Angular JS, Bootstrap, HTML5, CSS3, JavaScript, Vue.JS

**Educational Qualification:**

* Bachelor’s in Information Technology from Maharishi Dayanand University, Haryana, India.
* Master’s in Computer Information Science from Gannon University, Erie, PA.