

Aparna Nandyala  
Java Fullstack Developer  
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#### Summary:

- Over 6 years of experience in Java Web-based, Desktop Based Development with Concepts of, Object Oriented Design (OOD), Object Oriented Analysis (OOA), Object Oriented Programming (OOP) and its implementation.
- Experience in working with various Software Development Life Cycle (SDLC) methodologies based on Agile, Scrum, Waterfall Model, Iterations.
- Experienced in front End technologies such as HTML 5, CSS 3, JQuery, JavaScript, ReactJs, NodeJs, Angular js, Bootstrap, VBScript, Perl, AJAX, Adobe Flex, ActionScript, JSON, XSD, XSTL, Tiles, Tag Libraries.
- Experienced in Full stack front end technologies using Gruntjs, Glup Server, Yoman generator for Angular.
- Experienced in Client-side validation, Client-Server data interaction using Ajax in Nodejs.
- Experience in developing Mobile web applications using JQuery Mobile and phone gap for Smartphones & Tablets.
- Experienced in implementing Service oriented architecture (SOA) Web Services using SOAP, REST services.
- Developed web applications by implementing Model View Control (MVC) architecture and considerable experience in various front-end technologies.
- Strong experience in Spring Framework modules such as Spring MVC, IOC, AOP and Spring JDBC, Spring JTA, Spring IO, Spring Security, Spring Boot and Hibernate.
- Expertise in Microservices to communicate through HTTP protocol for implementing SOA approach.
- Experienced in building service-oriented solutions and RESTful Microservices.
- Experience in implementing Java EE design patterns such as MVC, Singleton Factory, Session Facade, DAO, DTO, and Business Delegate in the development of Multi-Tier distributed Enterprise Applications.
- Experience in configuring and deploying the applications on Tomcat, WebSphere, WebLogic and JBoss Servers.
- Experienced in working with multiple databases like Oracle 10g/11g, SQL Server, MySQL, DB2, NOSQL DB (Mongo db, Couchbase).
- Experienced in performing unit testing using JUnit, integration and deployment of applications using tools such as ANT and Maven& debugging through log4j.
- Experience in JUnit framework with Mockito and Easy mock, Spring Junit Runner.
- Experienced in Development, testing and deployment of enterprise applications on Windows and UNIX platforms using IDEs such as Eclipse, Rational Application Developer (RAD), Netbeans, Spring Tool Suite (STS), IntelliJ 14.x/15.x
- Experience in using AWS resources DynamoDB, SNS, SQS, S3, ApiGateway, CloudFormation Template.
- Experience in using different version controlling/tracking systems Subversion, CVS, SVN, GIT.

#### Technical Skills:

Languages	Java 8, C, C++HTML, JavaScript, SQL
Frameworks	Spring 4.x/3.x/2.x, Hibernate 4.0/3.0, Struts 1.x/2.0.
Web Technologies	HTML5, CSS/CSS3, Servlets, JSPs, XML, JSF, JQuery, Ajax, AngularJS, NodeJs, Swagger UI
Web/Application Servers	Apache Tomcat, IBM WebSphere, Web Logic
IDE's	Eclipse, NetBeans, Spring Tool suite 2.x/3.x, IntelliJ 14.x/15.x, Visual Studio
Database	Couchbase, Oracle , SQL Server, MySql, DB2

<b>Web Services</b>	SOAP, RESTful
<b>Version Control</b>	JIRA, CVS, SVN, GitHub
<b>Build Tool / plugin</b>	ANT, Log4j and Maven, Jenkins
<b>Testing Frameworks</b>	Junit, Jmeter, Jtest, SOAP UI
<b>Operating Systems</b>	Windows, Unix, Linux and MAC.

### Work Experience:

**Client:** ChenMed (ChenTech LLC), Miami Gardens, FL

**Nov 2020- Till Date**

**Role:** Java Full Stack Developer

### Responsibilities:

- Designed UI components using JSP, HTML, CSS, JavaScript and AJAX.
- Designed and developed presentation layer using Spring MVC Framework and Spring Web Flow.
- Used Spring Transactions in the application and developed Session beans for the business logic at the middle tier level.
- Extensively used Spring IOC for Dependency Injection and worked on Custom MVC Frameworks loosely based on Struts.
- Used Spring Framework for Dependency Injection and integrated with Hibernate DAOs.
- Written SQL, PL/SQL and stored procedures as part of database interaction.
- Used by developing MVP (model, view, presenter) architecture for developing the application.
- Hands on experience of Build & Deployment phase and usage of Continuous Integration (CI/CD) tools, build configuration, change history for releases, Maintenance of build system, automation & smoke test processes, managing, configuring, and maintaining source control management systems.
- Experience developing SOA based application with RESTful and SOAP web services. Development experience with XML/JSON based web services.
- Implemented Swagger Configuration in Java Spring boot for auto generating swagger json files for REST API calls.
- Used various bootstrap components like accordion, date picker, time picker, alert, buttons, modal and also react-bootstrap components
- With the concept of ReactJs Worked on usage metrics and also end to end events tracing for analysis purpose.
- Created reusable and testable React.js functional and class components using es6.
- Use of JSX in the React components for cleaner HTML like structure inside JavaScript.
- Implemented exception handling in Java Spring boot for REST API, by making use of ExceptionHandler and ControllerAdvice annotations.
- For Responsive Web design used Bootstrap to build grids, layouts and components. Used Bootstrap components like dropdown menus, navigation bar, alerts, and labels.
- Designed user interface for users to interact with system using JQuery, JSON, JavaScript, HTML, CSS, Angular JS and Bootstrap. Developed JSP's for the presentation layer
- Build, test and run the code continuously and integrating changes to the project using Continuous integration tool Jenkins.
- Used Maven tool to build and packaged, deploy an application project and integrated with Jenkins.
- Used Hibernate Criteria API to query the database and perform other CRUD operations.

**Environments:** Java 1.8, Eclipse, JSP, Struts, Validation Framework, JDBC, MySQL, Restful Web Services, Log4j, ReactJS, ANT, JUnit, XML, CVS, WebSphere, Linux, Java Script, Bootstrap, jQuery, MVC, Git, Jenkins, HTML, spring boot, Hibernate, GIT, Jira.

Client: CSAA Insurance Group. (AAA), Glendale, AZ

February 2020- October 2020

Role: Java Full Stack Developer

Responsibilities:

- Developed Application using **Spring MVC 3** widely with annotations, Dependency injection, IOC, integrated with the Struts 3 framework with views based on jsps.
- Used **Multi-Threading** and concurrency and implemented threads while preparing and generating mails.
- Worked extensively on Core Java, low latency side using **Java Concurrency** on the back-end of the application.
- Involved in coding for the presentation layer using **JQuery, JQuery Mobile, NodeJs, JavaScript**.
- Developed critical components of the application including **Spring forms, Spring controllers, JSP views, and business logic and data logic** components that include Hibernate Entities, Spring-Hibernate DAO and Spring models following MVC architecture.
- Developed the application using industry standard design patterns like **Singleton, Business Delegate, MVC, and Factory Pattern etc. for re-usability**.
- Developed a dashboard based on **Ajax calls** with Business Customers Count, Flags, Real-time graphs for Analytical Reporting using **Nodejs**.
- Involved in **presentation layer frameworks** using JQuery widgets such as "Wizard", "drag-gable", "autocomplete", "slide", "accordion", "dialog", "tooltip" etc. other jquery plugins.
- Developed **database tables** using Ace components, Implemented Sorting, Filtering and Pagination functionalities to it.
- Used **Spring JDBC** template to retrieve the data and represented the data in the form of tree which has seven hierarchies and implemented drag and drop functionality to it.
- Utilized **MEAN stack**, REST design pattern, MVC framework and SPA (Single Page Application) framework based on Node JS.
- Created documentation for all the components which is included in React-Bootstrap page.
- Implemented client-side Interface using React JS.
- Transaction management is done by **JTA API** specification by implementing them.
- Developed an API to write XML documents from a database. Utilized XML and XSL Transformation for dynamic web-content and database connectivity.
- Implemented **CRUD** operations with Mongo-DB (NoSQL) and manage all the details of Customer.
- Involved in Web Services Testing using **SoapUI** to create and execute **automated** functional, regression, compliance, and load tests.
- Provided **JUnit** support for the application for debugging the system and **Test Driven Development (TDD)**.
- Used **Maven** as a build tool and retrieved all the dependencies required for the application.
- Customized the **CSS** for the ace components used as per the style guide.

Environment: Java 1.8, Spring MVC 3, Spring integration Components, SAP-MDM, Spring JDBC, Spring Rest, Spring Dependency Injection, JIRA, ReactJs, NodeJs, JQuery, JQuery Mobile, Java script, Html, CSS, Apache Tomcat 7.0, Restful, Eclipse, Maven, Mockito, Spring Junit, SVN.

Client: Edward Jones Investments, Maryland Heights, MO

March 2019- January 2020

Role: Java Full Stack Developer

Responsibilities:

- Implemented the Model View Controller (**MVC**) framework and **Spring**.
- Worked on **RESTful** Web Services for transferring **XML** data between two interfaces.
- Designed and developed the UI using spring view component **HTML 5, CSS 3, Bootstrap and AngularJS**.
- Used **Angular Promise, Angular Custom directives, Angular custom services, Angular to REST to Spring calls**.
- Used **Spring** validator framework for client and server-side validation.

- Used **Spring** and **Hibernate** for implementing **IOC**, **AOP** and **Object Relational Mapping** for back-end tiers.
- Developed Data Access Object (DAO) interfaces using **Hibernate** to interact with database.
- Implemented **Hibernate Template** to great extent making use of **HQL**, **Named Parameters**, **Named Queries** and **interfaces** such as **Expression**, **Query** and **Criteria**.
- Used **Hibernate**, **object/relational-mapping (ORM)** solution, technique of mapping data representation from MVC model to SQL Server Relational data model with SQL-based schema.
- Developed **Microservices** using **Spring MVC**, **Spring Boot**, **Spring Cloud**, **Spring AOP**, **Dependency Injection**.
- Worked on **Spring Quartz** functionality for scheduling tasks such as generating monthly reports for customers and sending those mails about different policies.
- Developed **REST** Web Services clients to consume those Web Services as well other enterprise wide Web Services.
- Utilized Hibernate for **Object/Relational Mapping (ORM)** purposes for persistence onto the Oracle database.
- Used Hibernate event listeners and call back listeners in the persistence layer.
- Tested Service and data access tier using **Junit**, **TestNG** and **Easy Mock**.
- Used **SOAP UI** and **READY API** for testing the web services.
- Responsible for Designing the output formats of the jobs based on the client requirements like Parquet file format, Text Format, Avro Format.
- Have Worked on Web module to reduce user efforts to add entries in **LDAP** server developed web interface using Spring framework.
- Performed UI testing and front-end testing using **Selenium**.
- Conducted **Performance tuning** including JVM tuning, JMS to the maximum throughput from Application server.

Environment: Java 8.0, Spring 4, Hibernate 4.2, Spring batch, Spring quartz, Spring security, Spring Boot, JPA, JavaScript, AngularJS, HTML 5.0, CSS3, SPLUNK, Eclipse, log4j, Junit, TestNG, XML, SQL Server, Web Services, SOAP UI, GWT, Adobe Flex, Selenium, BITBUCKET.

Client: American Express, Phoenix, AZ

March 2018- February 2019

Role: Full Stack Developer

Responsibilities:

- Implemented application architecture of the System is based on **Spring MVC** (Model View Controller) and **J2EE** specifications and various features of **spring** framework such as **Dependency Injection**, **IOC**, **Annotations** and **Spring integration**.
- Experienced in **Security-System development** for Web Applications. Involved and developed all phases of security implementation using spring security system against modes of authentications: **LDAP authentication**, **Database authentication** and **Pre-Authentication**.
- Integrated application with **Spring Security form-based authentication and authorization** by used spring security jsp tags to provide UI level spring security.
- Experience in working with **Spring Quartz framework** and developed various quartz jobs.
- All the functionality is implemented using **Spring IO / Spring Boot**, **Thyme leaf** and **Hibernate ORM**.
- Implemented Java EE components using **Spring MVC**, **Spring IOC**, **Spring transactions** and **Spring security modules**.
- Implementing or exposing the Microservices to base on **RESTful API** utilizing Spring Boot with Spring MVC.
- Implemented the application using **design patterns** such as **Singleton**, **Data Access Object**, and **Service Locator**.
- Implemented and developed UI components using **Angular JS** features like **dependency Injection**, **Models**, **data binding** and **controllers**.
- Designed and developed the REST based Microservices using the Spring Boot.
- Developed Interactive web pages using **HTML**, **CSS** and **JavaScript**.
- Handled Java **Multi-Threading** part in back-end component, one thread will be running for each user, which serves that user.
- Defined strategic initiatives on **Continuous Integration & Delivery (CI/CD)** model with **Test-driven development**,

**Extreme programming (XP)**, and build automation, in an AGILE development environment to help, respond quickly to business needs and to ship world class Quality products.

- Used **GIT** as version management, Jira for defect management system.
- Used **JUnit** for unit testing of the application and **log4j** for logging.

**Environment:** Java 7.0, Spring 3, Hibernate 4.2, Spring batch, Spring quartz, Spring security, Spring J, Spring Boot, JPA, Java Scripts, AngularJS 1.5, HTML 5.0, CSS3, Eclipse, Oracle 11g, RESTful, log4j, Junit, Web Services, GIT.

**Client:** AudLink, Minneapolis, MN

January 2016 – February 2018

**Role:** Java Developer

**Responsibilities:**

- Involved in various **SDLC** phases like **Requirement gathering**, **Design**, **Analysis** and **Code development** and the project was developed using **Agile** based **SCRUM** Methodology.
- Successfully executing **offshore modeling** by effective and on time knowledge sharing with offshore project groups through weekly team meetings and daily status update calls.
- Implemented **Struts** Framework and **Hibernate** in the new version of the Application.
- Involved in coding for the presentation layer using **Struts** and **JavaScript**.
- Developed **Action classes**, **Dyna Action Forms** and used **Validation** framework.
- Used **EJB** Stateless/Stateful session beans to implement business logic, session handling, and transaction and deployed Enterprise Java Beans both Session and Entity on WebSphere Application Server.
- Implement modules into **NodeJs** to integrate with designs and requirements.
- Developed real time tracking of class schedules using **NodeJs** (socket.io based on socket technology, Express JS framework).
- Taken care of java Multi-Threading in common java classes/library.
- Extensively used **Java Scripts** to enforce client-side validations and used **JQuery** for **Ajax** processing.
- Involved in development/ maintenance of various web services using IBM **WebSphere** to interact with other Applications.
- Involved in **unit testing**, **troubleshooting**, and **debugging**. Modifying existing programs with **enhancements**.
- Developed the **UNIX shell scripts** to automate jobs.
- Developed Entity Beans as Bean Managed Persistence Entity Beans and used JDBC to connect to backend database **DB2**.
- Worked on Linux environment for deploying the application, running scripts for jobs.
- Involved in **fixing bugs** the bugs or defects in the application.
- Worked as the part of a core team to monitor and enhance the performance of the application.

**Environment:** Struts 2.0, Hibernate 3.0, JSP, RAD, JMS, CVS, JavaScript, XSL, XSLT, Servlets 2.5, WebSphere Application Server 6.1, Oracle 10g.

**Education:** Master's degree in Computer Science, University of New Haven, CT-January 2014-December 2015

Bachelor's Degree in Electronics and Communication Engineering JNTUH, India- 2009-2013

### Certifications

AWS Certifies Solutions Architect- Associate