# **Manasa Ghattamaneni**

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## **Professional Summary:**

* **Proficient 7+ years** of experience in all phases of **software development life cycle** (**SDLC**) including system design, development, production support and maintenance of various Web Applications using **Java/J2EE** Technologies.
* Substantial experience in **designing, coding, integration** and testing software implementations using Java/JavaScript involving development of Enterprise wide, Client/Server, Multi-tier, web-based applications.
* Experience on **J2EE** technologies including Core Java, Servlets, **JSP, JDBC, JNDI, JPA, JAX-WS, Struts, EJB**, and spring, Hibernate, **JMS, XML** and **Junit**.
* Involved in developing Web interface using **JSP**, JSP Standard Tag Libraries (**JSTL**) using spring Framework.
* Experienced in a fast-paced Agile Development Environment including **Test-Driven Development** (**TDD**) and Scrum. Hands-on experience with Reporting Tool Crystal Reports to create reports in various formats and tuning the performance.
* For Communication between middleware components, worked with **IBM MQ Series, JMS, Kafka** and **ActiveMQ**.
* Design and develop loading the catalog data from ATG tables to **Redis** Database.
* Experience in Core Java ideas like Collection **Framework, Multi-threading**, Generics, Serialization and Externalization.
* Implemented Object-relation mapping in the persistence layer using hibernate framework in conjunction with spring functionality.
* Employing Java Object/Relational bridge technologies such as Hibernate**, JPA**, and **spring**.
* Implemented persistence layer using Hibernate and developed the Data Access Layer to retrieve **JSON** documents related to customer.
* Designed and developed Restful service interface using Spring MVC to the underlying customer event API. Involved in building Restful Web services using JAX-RSAPI.
* Experience in developing **User Interface (UI)** Applications and professional web applications using **HTML**, **CSS, Bootstrap, JavaScript, JQuery, AJAX, RWD, JSON, XHTML and XML.**
* Strong experience in developing XML Schemas, **WSDL** documents, **XML** Parsing and Binding for Web Service development.
* Hands on Experience in **AWS** Cloud in various **AWS** Services such as RedShift, Cluster, Route53 Domain configuration.
* Good understanding and exposure to **Unix/Linux** environments and shell scripting.
* Good understanding on latest approaches in **HTML5/CSS3** development, JavaScript Frameworks jQuery.
* Having Extensive experience in developing Web and Enterprise applications using Core Java and Advance Java (**JEE**) tools and frameworks.
* Good Hands on Experience with JavaScript, **MVC Framework**, **AngularJS** and knowledge on other frameworks like Backbone.js, **Node**.**js**.
* Configuring and Networking of Virtual Private Cloud **(VPC)** Written CloudFormation templates and deployed AWS resources using it.
* Implementing and maintain instances of Apache **Kafka** technologies along with associated proprietary technologies that utilize the Kafka platform.
* Experienced in building cross browser compatibility applications using AngularJS and Node.js.
* Implemented and developed the **MVC** Architectural Pattern using **Struts** Framework including **JSP**, **Servlets**, **EJB**, Form Bean and Action classes.
* Developed pages using **Angular**.**JS** directives, expressions, routing capabilities for bookmarking, **filters**, validations and **Angular** **UI** components such as grid, **buttons**, carousels, date pickers, modal dialogs and other input components.
* Extensively worked with **MVC** Architecture using **Apache** **Struts**, **Spring**, **Hibernate**.
* Experience in using Integration tools like **Jenkins**, **Cruise** control.
* Experience in making **SOAP** based **Web** Services using Apache CXF, JAX-WS and RESTful organizations like **JAX**-**RS**.
* Worked with various version control tools like **GIT**, **SVN** and build tools like **Maven**.
* Enough measure of involvement in **J2EE** Testing in creating experiments with **JUnit** for Unit testing, and logging utilizing Log4j.
* Evangelizing DevOps best practice and facilitating adoption of **DevOps** methodologies across teams
* Used **Apache POI** to convert **XML** files to Excel files and to read Excel files.
* Very good experience in **OOAD**, **UML**, Rational Rose Methodologies.
* Experience with Controllers, Views, and Stores in ExtJS.
* Experience in developing ExtJS components like **Grids**, **Toolbars**, **Panels**, Combo-Box and Button.
* Good Experience in working with the Document Object Model (**DOM**) and **DOM** Functions.
* Experience using all popular text-Editors like Eclipse, Brackets, Sublime Text and Notepad++.
* Expertise in database modeling and development using **SQL, T-SQL** and **PL/SQL** in Oracle and **SQL** Server environments.
* Exposure to Oracle, **DB2**, and **MySQL** databases in developing applications using **SQL** Scripts, Stored Procedures.
* Experience in installing and configuring **MySQL**, **ORACLE** and **MongoDB** servers.
* Designed and developed custom **Mongo** applications specific to clients' needs and proficiency in multiple databases like MongoDB, Cassandra, **MySQL**, **ORACLE** and **MSSQL** Server. Worked on MongoDB database concepts such as locking, transactions, indexes, Sharding, replication, schema design.
* Experience of working with RDBMS like **Oracle 8i/ 9i/ 11g, 12c, MySQL, SQL** Server and developing Stored Procedures, Triggers, Views, Functions and **SQL** Queries.
* Proficient in programming by using the IDE's such as Eclipse**, My Eclipse, RAD, Net Beans.**
* Hands on experience with **Multi-Threading** and Collections Frameworks.

**TECHNICAL SKILLS:**

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| **Java/J2EE Technologies** | Servlets, JSP, JSTL, JDBC, JMS, JNDI, RMI, EJB, JFC/Swing, AWT, Applets, Multi-threading, Java Networking |
| **Programming Languages** | Java JDK1.5/1.6/1.7, C, UNIX Shell SQL, PL/SQL |
| **Application/Web Servers** | Oracle/BEA WebLogic 8.1/9.1/10.3, IBM WebSphere 5.1/6.0/6.1/7.0, JBoss, Tomcat 5.0.28/6.0 |
| **Frameworks** | Struts 2.x/1.x, Spring 3.x, Hibernate 3.x, JSF 1.2/2.0 |
| **IDEs** | Eclipse 3.x, IBM WebSphere Application Developer 5.x, IBM RAD |
| **Web technologies** | JSP, JavaScript, jQuery, AJAX, XML, XSLT, HTML, DHTML, CSS, Backbone JS, React JS, Ext JS, Node JS, Perl |
| **Web Services** | JAX-WS, JAX-RPC, JAX-RS, SOAP, WSDL, UDDI |
| **XML Tools** | JAXB, Apache Axis, Altova, XMLSpy |
| **Methodologies** | Agile, Scrum, RUP, TDD, OOAD, SDLC |
| **Modeling Tools** | UML, Rational Rose, Visio |
| **Testing technologies/tools** | JUnit, JMeter, HTML Unit. |
| **Database Servers** | Oracle 8i/9i/10g, DB2, SQL Server 2000/2005/2008, MySQL,Mongo DB |
| **Version Control** | CVS, SVN, Rational ClearCase, ClearQuest |
| **Build Tools** | ANT, Maven |
| **Operating Systems** | Windows 8/ 7/ XP/ 2000/NT/98/95, Linux, MS-DOS, UNIX |
| **Build Tools** | ANT, Maven |

**PROFESSIONAL EXPERIENCE:**

**CLIENT: Guide One, Des Moines, IA Mar’2017 – Till Date**

**ROLE: Full Stack Developer**

**Responsibilities:**

* Designed and coded application components in an **Agile**/**TDD** environment utilizing a test-driven development and **SDET** approach and pair-programming.
* Developed the application using spring framework that leverages model view layer architecture, also configured Dependency Injection.
* Used Hibernate **ORM** tools which automate the mapping between **SQL** databases and objects in Java.
* Integrated the application with Spring-**MVC** using **Spring** **Boot**, **Spring** **Dependency** **Injection** (DI), and Spring Annotations.
* Design of **GUI** using Model View Architecture **(STRUTS Frame Work).**
* Integrated **Spring DAO** for data access using Hibernate.
* Created hibernate mapping files to map **POJO** to **DB** tables.
* Involved in the Development of Spring Framework Controllers.
* Developing application using spring core module and **POJO's** using **Eclipse** and worked on Messaging service.
* Used **SOAP** based web services from scratch to develop interfaces to integrate between front end systems and back end systems.
* Designed and developed the **XSD** for **WSDL**.
* Developed user interface using **JSP**, **JSP** Tag libraries **JSTL**, **HTML5**, **CSS3**, **JavaScript**, **Angular 4** to simplify the complexities of the application.
* Deployed and Monitored Micro Services Using Pivotal Cloud Foundry, also Managed Domains and Routes with the Cloud Foundry.
* Created shell scripts in **Linux**.
* Refactored, re-architected, and enhanced an existing AngularJS application to follow strict **MVVM/MVC** patterns for improved source code maintenance.
* Setting up Jenkins pipeline for Kafka Producer and **Kafka** Consumer for Dev, QA, UAT, Stage and Adoption(CORE), Production stages in OpenShift Online and OpenShift environment and developed Docker repository for different environments.
* Experienced in front End technologies **HTML5, CSS3**, **JavaScript, Bootstrap, jQuery, Angular JS, ReactJS**, Backbone.js, **Node JS**, Tag Libraries, **AJAX** and Ext Js used for Responsive web page designing.
* Used Spring **MVC** framework for developing web application.
* Implemented the debugging functionality in an application by using Apache **LOG4J** framework.
* Currently working on fitness tool which aids in Test Driven Development.
* Used **JMS** for the asynchronous exchange of critical business data and events among **J2EE** components and legacy system.
* Data sources from Injection microservices produce and consume data from apache Kafka to enhance data from enhancer microservices.
* Orchestrate software updates and verify functionality Changing the AWS infrastructure Elastic Beanstalk to Docker with Kubernetes.
* Developed **REST API's** using Spring **MVC** and **Spring** **boot**, hosted micro services on **AWS**, used elasticbenstalk to setup application and configured environments.
* After generating **JASON**-**LD** data the data again posted into apache **Kafka**.
* Designed and developed the application using Java Server Faces (**JSF**) framework.
* Developed User Interface in **JSP**, JavaScript and **HTML** with Backbone JS **Framework**.
* Designed and developed **REST**-ful style Web Service layer and **WSLD**.
* Implemented a generic interface to Hibernate criteria **API** for **UI** search functionality.
* Developed SQL, PL/SQL, stored procedures along with Shell Scripting- database application scripts.
* Created Oracle store procedures for handling and processing complex data-based logics.
* Experienced in working with multiple databases like Oracle, SQL Server, **MySQL**, **DB2**, **NO-SQL** **DB**.
* Implemented a Continuous Delivery pipeline with **Docker**, **Jenkins**, **GitHub**, and **AWS**.
* Worked on migration Microsoft azure service to **AWS** service for a project.
* Deployment of web, enterprise java components, messaging components and multi-threading.
* Used the **GWT** framework to design the **UI** components as **Grid** and **widgets**.
* Worked on Mule **ESB** Integration to integrate external components like **JMS** Queue and other applications.
* Used spring boot framework to create properties for various environments and use yamls for configuration.
* Used Mule **ESB** framework status report.
* Developed XML Schemas - **XSD**, **DTD** for the validation of **XML** documents, also used Subversion.
* **XML (SAX and DOM API, JDOM), XSLT** was used for informative view.
* Used XML web services using **SOAP** to transfer the amount to transfer application that is Used **SWING** for **GUI** based coding.

**Environment:** Java8/JDK, J2EE, JSP, PL/SQL, Spring boot, Cassandra, EJB , Azure, TDD, GIT, Mule ESB, MAVEN, JMS, JNDI, Oracle12c, XML, DOM, SOAP, Junit, Linux, JSF, Spring Boot, Micro Services, WebSphere , apache Kafka, GWT, Hibernate , Jenkins , JDBC, JESS, REST-full Web service, Docker , WebLogic , Angular 4/2, JBoss, SOA, Tomcat.

**CLIENT: Citizens Bank, Providence, RI Jan’ 2016 – Feb’ 2017**

**ROLE: Sr. Java Developer / web Developer**

**Responsibilities:**

* Worked with Spring **MVC** Framework to Design and Develop the Application.
* Developed Server-side components with Servlets, **JSPs**.
* Implemented Data validations for critical functionalities using **Angular2** and **JavaScript**.
* Responsible for pagination for the application by integrating spring framework with Angular JS and jQuery for creating behavioral aspects of the web page.
* Developed User Interface by using **Angular2**, **HTML5**, **Spring** Web Flow, **XHTML**, **DHTML** and **CSS3**.
* Functionalities include writing code in **HTML**, **CSS**, **JavaScript**, **JQuery**, **Ajax**, **JSON**, **Angular JS**, **Spring** **Boot** and Bootstrap with **MySQL** database as the backend.
* Used various Core Java concepts such as **Multi**-**Threading**, Exception Handling, Collection **APIs** to implement various features and enhancements.
* Setting up **AWS** Oracle **RDS** databases for new project, use data pump to migrate data to Relational Database Services (**RDS**). Ran docker compatibility testing on various **Linux** **distros**, **Amazon** (**AWS**).
* Used Hibernate/**JPA** to interact with Oracle database. Worked with Hibernate **API** for **CRUD** operations on the tables.
* Used **Spring Boot** for the application development.
* Integrated the application with **Spring-MVC** using **Spring Boot**, **Spring Dependency Injection (DI)**, and Spring Annotations.
* Using **Docker**, **Jenkins**, **VMWare**, **Ansible** and **GitLab**.
* Vast knowledge of utilizing cloud technologies including Amazon Web Services (**AWS**), Microsoft **Azure** and Pivotal Cloud Foundry (PCF).
* Produced and consumed Kafka for data streaming.
* Involved in coding, maintaining, and administering **Servlets**, and **JSP**, **JSF** components to be deployed on a Web Logic Application server and **Apache Tomcat 6.0** application servers.
* Used Spring Core Annotations for Spring Dependency Injection (**DI**) and Spring **MVC** for **REST** **API’S** and **Spring Boot** for micro-services.
* **DevOps** role included automation of processes. Heavy use of shell scripting in order to automate deployment a post deployment activity.
* Developed back-end messaging infrastructure for real-time web application in **JavaScript, jQuery, node.js,** **Redis.**
* Designed and implemented a stream filtering system on top of **Apache Kafka** to reduce stream size.
* Created Typescript reusable components and services to consume **REST API's** using Component-based architecture and reusable templates using **Angular2** directives and worked with **NPM** package manager tools **(Node JS).**
* Used Web Sphere Application for building, testing and deploying application locally.
* Designed and developed a micro-service using **Spring Boot** and **Spring Data** for Spotlight to access customer data stored in **Amazon** **Redshift**.
* Deployed **J2EE** applications in WebSphere application server by building and deploying ear file using **ANT** script.
* Involved in the migration of Xfinity Services Platform (**XSP**) from legacy Java services into Micro services architecture, decomposing monolith applications in a set of discrete services.
* Configured **IBM** WebSphere portal server to manage portal pages, portlets and to apply security constraints for the portal pages.
* Strong Experience in development & tuning of packages, stored procedures and triggers using **PL/SQL.**
* Used **Spring Boot** framework for building cloud **Micro Services** and to develop Spring based application radically faster with very less configuration.
* Have worked on **Oracle10g** database for storing and retrieving the application data.
* Used **Log4j** to print the logging, debugging, warning, info on the server console.
* Implemented Restful and **SOAP** based web services layer to interface with **ORACLE** and **DB2** database using **Jersey-ws, JAX-WS, JAX-RS** and **JAXRPC API's.**
* Configured texml files for Spring Security injection to ensure the back-end security by discriminating the role of users as well as access authority for the **URIs** and Server-side assets.
* Written test cases in **JUnit** for unit testing of classes.
* Large Object Tuning (**JVM Tuning**) to reduce risk with heap fragmentation, consumption, high memory utilization and improve the stability. Profiler is used for **JVM tuning**. Used Apache JMeter for performance tuning and profiling testing.
* IDE used for development is **IBM** Rational Application Developer (**RAD**) and **Eclipse**.
* Used **Jira** for bug and issue tracking. For Logging, we used **Log4j** Mechanism.

**Environment:** Java/J2EE 1.6, Spring 3.0, Hibernate, Spring Boot, Web Sphere portal 5.1, WebLogic Application Server 10g, Apache Tomcat 6.0, Angular2, Linux, Micro Services, Spring Boot, JSP, TDD, GIT, Apache Kafka, Maven, Unix, Cassandra, RESTFUL Web Services, SQL, ORACLE, PL/SQL, MYSQL, HTML, CSS, JMS, Java Script, jQuery, XML, XSLT, AJAX, Maven, Agile, Jenkins, JavaScript, AngularJS, JUnit 3.8, Log4j, JSP, JSON.

**CLIENT: Bed Bath & Beyond, NJ** **Jan’2014 – DEC ‘2015**

**ROLE: Java Developer**

**Responsibilities:**

* Worked on **Agile** **Scrum** methodology and involved in stand-up meetings to monitor the progress.
* Involved in Requirements gathering, analysis, design and documentation of the application.
* Implemented **Java** **EE** components using Spring **MVC**, **Spring** **IOC**, **spring** transactions and **spring** security modules.
* Developed Microservices using Java **Spring** **Boot**, **Hibernate**, **Restful** services with good quality of code
* Configured spring Integration **xmls** to route request to respective **databases**.
* Developed applications using **Spring Boot** and **Micro services** Architecture.
* Building application with **JS** **frameworks** such as **React.JS, Angular.js.**
* Developed **Graphical** **User** **Interfaces** by using **JSP**, **HTML**, **CSS**, and **JavaScript**.
* Responsible for validation of Client Interface using **JavaScript** and **jQuery**.
* Used popular **Node**.**js** frameworks like Express and Rectify to mock a **Restful** **API**.
* Developing the Algorithms depending on the required sources of the project.
* Used Spring **ORM** module to integrate with **Hibernate**.
* Worked on **Docker** **container** to create **Docker** **images** for different environments.
* Worked on **Java** **Script** libraries like **jQuery** and **JSON**.
* Migrating the legacy monolithic struts application to Micro services platform.
* Created and executed unit test programs using **Spring** **Boot** test platform which included frameworks such as **Junit**, **Mockito**, Spring Test, Ham crest, and Assert.
* Implemented **Oauth2** solutions using **Spring** **Cloud**, User accounts and **API** keys.
* Developed **Kafka** producer and consumer components for real time data processing.
* Developed and continuously deployed **java**-**based** applications using **CICD** Pipeline techniques.
* Experience writing **angular.js** code for developing Single page applications (**SPA**), used several in built language core directives, expressions and modules.
* Having experience in various **RDBMS** databases like **Oracle**, **SQL** **server**, **MySQL**. And **NoSQL** database like **MongoDB**.
* Possess strong working knowledge of Database Programming using **SQL**, **PL**/**SQL**, Triggers and Stored Procedures.
* Developed the Dynamic **UI** form component using **Angular4** features to generate the Reactive **UI** forms easily and quickly based on the **UI** Meta data stored in **MySQL** **database**.
* Created Mongo **DB**/**NoSQL** collections. Developed Server-side automation using **NodeJS** scripting and connecting different types of SQL and **NoSQL** stores.
* Created new customized issue type in **JIRA** for tracking custom requests in **JIRA**.
* Used **GIT** as version control systems to maintain the source code.
* Used **Log4J** to capture the logging information and **JUnit** to test the application classes.

**Environment:** Java, JSP, Java Script, Core Java, jQuery, Spring MVC Framework, TDD, GIT, Spring Boot, Elastic search, Log4j, JUnit, CICD, JBoss, Docker, Microservices, Azure, Angular Js , Elastic Search, Maven, Kafka, GIT, JIRA, ESB, React.JS, Web Logic, SVN, Web Services, WSDL, SQL, PL/SQL, SQL Server Management Studio, Oracle.

**CLIENT: United Health Group, Bengaluru, India Jan’2012 – Aug’2013**

**ROLE: Java Developer**

**Responsibilities:**

* Involved in Technical software and application design, Collaborating and consulting with business analysts.
* Developed web application using **J2EE**, **Spring**, **JPA**, Web Services and **Oracle** **Database**.
* Implemented spring transaction management for **database** transactions.
* Worked on enhancements with the existing application which was implemented using **MVC** **paradigm**, implemented by Spring **Framework**.
* Worked with **Spring** annotations like Request **Mapping**, Auto-wired, Qualifier, and Primary etc.
* Worked with **Ajax** and **jQuery** to meet the business requirements across the application.
* Designed application interfaces using **J2EE**, **XML**/**SAOP**, **WSDL**, **Web** **Services** and **Servlet**.
* Designed and developed user interfaces using **JSP**, **Java** **script**, **XML**, **XSL** and **HTML**.
* Used Subversion for Versioning and concurrent access to the project files.
* Worked on developing **RESTful** endpoints to cache application specific data in in-memory data clusters like REDIS and exposed them with **RESTful** endpoints.
* Implemented Data Access Objects (**DAO**) to access the Oracle database using Spring **DAO**.
* Implemented web services using Spring-Rest and developed delegated services to access other web services.
* Created and tested **Mockito** test cases for Unit testing.
* Involved in writing **SQL** queries as **Creating** & **Modifying** Stored Procedures, Views, Functions, **Tables**, and Indexes.
* Used **Maven** as a build tool and **Tomcat** **webserver** for deploying the application.
* Used **log4j** to capture the log that includes runtime exceptions and debug information.
* Written **SQL** queries for Performing **CRUD** Operations using **JDBC**.
* Designed Screens using **HTML**, **CSS5**, **JavaScript** and **images**.
* Administering the **SQL** Server by creating user logins with appropriate roles, dropping and locking the logins, monitoring the user accounts, creation of groups, granting the privileges to users and groups.
* Involved in creating **Unit** **Test** plans and executing the same.
* Detail-oriented team player with Great analytical and demonstrable communication skills.
* Ability to work under minimal supervision and interested in learning new technologies.
* Reviewing Low level design, code, **unit test** documents produced by team members.
* Participated in daily **SCRUM** meetings and give the daily status report.
* Provided feedback and technical guidance to Project Managers on issues of critical importance to achieving business objectives.

**Environment:** Spring MVC, Hibernate, C++, Java, JSP, HTML, CSS, Java Script, Ajax, Oracle, Xml, SVN, JIRA, Swings, Tomcat Server, Maven, Restful API, Oracle 11g, SOAP, WSDL, JDBC, DAO, JDBC.

**CLIENT: Axis Bank, Hyderabad, India June’2010 – Dec’2011**

**ROLE: Jr. Java Developer**

**Responsibilities:**

* Involved in the discussions with business users, testing team to finalize the design documents and story point's allocation for user stories.
* Followed **Scrum** **Agile** methodology for iterative development of the application.
* Used **core** **Java** to build new functionality based on the requirements.
* Involved in **core** **java** concepts - Interfaces, **Collections**, **Multithreading**, **Serialization** and **java** features etc.
* Developed **JavaScript** and **jQuery** functions for all **Client**-**Side** Validations.
* Designed & Developed User Interfaces using **Ext JS** **UI** **Framework**, **HTML5**, **CSS3**, **JSP**, **Struts**.
* Used **ANTLR** recognition tool to find the relation between the dependent controllers, Objects, workflows and triggers across various Org.
* Good Experience in **SOA** engineering and Microservices Architecture utilizing **REST** and **SOAP** **Web** **Services**.
* Worked with **SQL**, Stored procedures, **Triggers**, **PL/SQL** programming and **JDBC**.
* Written **SQL** Queries to interact with **Oracle database**.
* Web application development for back end using **Angular** **JS** and **Backbone** **JS**.
* Used **XML** applications to create **XML** strings send and receive data from **Mainframe** Martens.
* Generated the Model part of **MVC** with spring and Hibernate Framework.
* Extensive experience in development and implementation of **ORM** framework like **Hibernate** integration with **Struts** and **spring**.
* Used String Template for code generation since the possibility of duplicate code for primitive collections is high.

**Environment:** Java (JDK 1.7), J2EE, JPA, spring 4.0, MVC, Eclipse, JUnit, JSP, XML, String Template, Web Services (SOAP, REST), Web Sphere as application server, SQL, PL/SQL, HTML5, CSS3, JSP, Structs, jQuery.