**Ganesh Adavalli**

***Professional Summary:***

* Having overall **11+** years of experience in Product development of cloud native distributed applications in various domains such as Logistics, e-commerce by using **JAVA**, **J2EE** technologies.
* Having **6+** years of experience in building robust, highly available, Secure, and scalable of micro service-based applications using Spring Cloud.
* Experience in SDLC (Software Development Life Cycle) that includes Requirements Analysis, Design, Coding, Testing, Implementation, Maintenance with methodologies like Agile Methodology.
* Extensive programming experience on Frameworks such as Struts, Hibernate, EclipseLink, Spring.
* Good experience in cloud computing using IaaS products such as AWS and deployment in the Docker containers.
* Experience in using Databases Oracle, PostgreSQL, MS SQL Server,
* Good experience in writing complex JPQL, HQL, PL/SQLs.
* Experience in Client-side Technologies HTML, CSS, JavaScript, AJAX, Angular JS.
* Having good experience in using Tools Maven, Log4j, Junit, Mockito, GitHub, JIIRA, SonarQube, Jenkins, Spring Boot, Eclipse, STS, JMeter, LDAP, Apache DS, Jasper Reports IO, iTEXT, Postman, LDAP, Swagger, Prometheus, Grafana.
* Good experience in using ERP systems like Oracle NetSuite, Salesforce Cloud.
* Extensively used various design patterns during application development.
* Experience in using SonarQube for continuous inspection of code quality to detect bugs, and security vulnerabilities.
* Having experience in Code Reviews, Unit testing, Integration Testing, Performance Testing, Logging, Distributed caching, fixing Production support issues, Strong debugging & troubleshooting skills and optimizing performance of the application.
* Hands-on experience of Application Servers like WildFly/ JBoss, Bea WebLogic, and Web Servers like Apache Tomcat.
* Collaborating well with the broader organization to include Product, QA, Senior leadership, Vendors, and other key stakeholders during work.
* Excellent communication, Teamwork, inter-personnel and presentation skills, fast learner, and organized self-starter and interaction with Business users.
* Performing effectively in a multitasking & high-pressure environment with timelines.

***Work Experience:***

* Working as Sr. Software Engineer for **InfoLogitech** from **May 2018** to **till date**.
* Worked as Sr. Software Engineer for **Wavity Pvt Ltd** from **Sep 2016** to **Mar** **2018**.
* Worked as Software Engineer for **Amber Road Software Pvt Ltd (**acquired by e2open) from **Feb 2011** to **Sep 2016**.

***Educational Qualification:***

* Master of Computer Applications (MCA) from **Jawaharlal Nehru Technological University**, Hyderabad, India.

***Technical Skills:***

**Operating Systems :** Windows 7/10, Linux (Ubuntu 16.04 LTS)

**Programming Languages :** Java, J2EE

**Web** **Technologies :** HTML, JavaScript, CSS, AJAX, JSON, XML, AngularJS

**J2EE Technologies :** Servlets, JSP, JDBC, JNDI, JavaMail, Web Services.

**Frameworks :** Apache Struts, Hibernate, EclipseLink, Spring Core, Spring

Security, Spring Data, Spring Cloud, Spring Integration,

Spring Web, Redis

**ERP Systems** **:** Oracle NetSuite, Salesforce Cloud.

**Application/Web Servers :** Bea WebLogic, JBoss, WildFly, Apache Tomcat

**Container Technologies :** Docker

**Cloud Computing :** AWS, Jasper Reports IO

**Databases :** Oracle, PostgreSQL, MS SQL Server, MongoDB

**IDE & Tools :** STS, Eclipse, Maven, Log4J, Mockito, JMeter, GitHub, Spring

Boot, Jenkins, JIIRA, SonarQube, Postman, LDAP, Swagger,

Apache Directory Studio, Prometheus, Grafana, JMeter

**Professional Experience:**

**CloudBC Labs May 2018 – Till Date  
Sr. Java Developer**

Project Name **:** Product Information Management(PIM)

Environment **:** Java8, Spring Cloud Micro Services, Spring Data (Hibernate), Spring Core,

Spring Security, Spring Integration, MS SQL Server, Docker, AWS, HQL,

PL/SQL, Spring Boot, Spring Tool Suite, SonarQube, GitHub, JIIRA, Redis,

Oracle NetSuite, Salesforce Cloud, Jenkins, Postman Client, Swagger, Jasper

Reports IO, SpringBootTest, Prometheus, Grafana, Windows

Client **:** YDesign Group, <https://www.lumens.com> (Sacramento, CA, USA)

**Description:**

**PIM** is a Cloud native Distributed application that allows users to create and maintain different functional components such as Product, Sku, Sku Dimensions, Price, Vendor, Brand, Price, Bulb of the system. This will send information to the 3rd party systems such as Oracle NetSuite for fulfilment, Salesforce Cloud (SCC) for sales. This is having ability to provide auditing, User management, Publishing information and Vendor uploads limited to Excel(csv). It provides support for integrating with NetSuite, Salesforce Cloud, Lumens Inventory systems.

**Responsibilities:**

* Implementing functional modules of the Product Information Management(PIM) such as Product, Sku, Price, Vendor, Brand, Price, Bulb, Inventory, Audit, Security, User management, Publishing, Workflow using Spring Cloud Micro Services and its design patterns such as centralized microservices configurations, Client-side load balancing, API Gateways, Naming server, Fault tolerance, Circuit breaker.
* Using Spring Core module for performing Inversion of Control (IoC) for Spring beans to be initialization and business logic layer implementation for transaction and error handling.
* Enhancing integration module by consuming 3rd party REST APIs of Oracle NetSuite to send data to this system for fulfilment of the Orders and REST APIs of Salesforce Cloud (SFCC) to send data for Sales by the customers.
* Managing the Vendor Inventory as well as In-house Inventory systems to receive the Inventory from the different vendors and to transfer that inventory levels to both 3rd party ERP systems – Oracle NetSuite as well as Salesforce Cloud (SFCC).
* Implementing ORM module using Hibernate for all persistence CRUD operations that are performing on Data base MS SQL Server.
* Writing HQL, PL/SQL queries for complex functionalities and profiling them for optimizing queries for faster results.
* Using Swagger tool for documenting, versioning, testing through End Points of micro services.
* Implementing Spring Integration Mail API for sending success email to the recipients on successful completion of the process / transactions.
* Doing configurations in the YML configuration file deploying and testing each of the Micro services in separate Docker containers in local environments.
* Configuring Jenkins to deploy QA, SIT, UAT, Production grade deployments through Docker containers in the AWS cloud infrastructure.
* Using @SpringBootTest annotation to test slice of functionality, @DataJpaTest to test persistence components.
* Performing integration testing before releasing for QA validation to make sure that the functional code changes not broken.
* Debugging and troubleshooting micro services by implementing Spring Cloud Sleuth & Zipkin dependencies.
* Using SonarQube for continuous inspection of code quality to perform automatic reviews with static analysis of code to detect bugs, code smells, and security vulnerabilities.
* Configuring Quartz, Cron jobs to schedule and run as per the scheduled time in performing the scheduled tasks daily to be run.
* Implementing distributed Caching in persistence layer using Redis and to reduce network calls between application & DB, for better performance
* Generating reports in various formats for the functional modules and as per end user requirements using Jasper Reports IO.
* Using Prometheus tool to collect, store, check, and query metrics.
* Using Grafana tool to be visualizing the metrics as graphs and dashboards.

**Wavity Pvt Ltd, Hyderabad, India Sep 2016 - Mar 2018  
Sr. Java Developer**

Project Name **:** oneTeam

Environment **:** Java8, Spring Cloud Micro Services, Spring Data (EclipseLink), Spring Core,

Spring Security, PostgresSQL, Mockito, Docker, AWS, SQL, PL/SQL, Spring

Boot, Spring Tool Suite, SonarQube, Ubuntu, GitHub, JIIRA, Postman Client,

Swagger, LDAP, Apache DS, Jenkins.

Client **:** Hitachi (USA)

**Description:**

Wavity **oneTEAM** cloud application enables the creation of ad-hoc teams to get tasks accomplished in a timely manner. OneTeam also enables the creation, assignment and tracking of tasks assigned to team members or other individuals in the company who may not necessarily be part of the team. It also can allow non-technical users to Design and Deploy form-based applications and for companies to share the developed applications with other tenants on the Wavity platform. A report dashboard offers visibility into KPIs that the company needs to track. It is providing other features like Messages, Polls, Events, File, Streams, Notifications, App marketplace, App Designer, Files attachment from Local as well as from Cloud.

**Responsibilities:**

* Developed oneTEAM functional modules Messages, Polls, Events, File, Streams, Notifications, App marketplace, App Designer, Files attachment from Local as well as from Cloud with Spring Boot based Spring Cloud Micro services
* Implemented various design patterns of the Spring Cloud framework that provides.
* Consuming 3rd party system`s REST APIs like Google and Microsoft Outlook mailing, events APIs for creating and managing Events in oneTEAM.
* Written Server-side validations for required fields and validate data.
* Performed various database operations by mapping application domain objects to the relational database tables and vice versa with the database PostgreSQL.
* Used LDAP server for user info storing and implemented basic authentication using Spring Security.
* Defined Quartz Scheduler jobs to automate the jobs in the system.
* Defined JPQL, PL/SQL queries for complex data base operations, Views, and indexes.
* Using Swagger tool for Documenting, Versioning and Testing implemented Micro Services.
* Deployed application and testing in the Docker containers in local environment.
* Used Jenkins to deploy QA and Production grade application with Docker container in AWS cloud platform.
* Used Mockito in performing various Unit Test Cases and Suites for Unit testing for each of the functional modules.

**Amber Road Software Pvt Ltd, Bangalore, India Mar 2011 - Sep 2016  
Java Developer**

Project Name **:** Global Freight Management (GFM)

Environment **:** Java7, Struts2, Spring Core, Spring Web, Spring Data (Hibernate),

AngularJS, HTML, CSS, AJAX, Oracle, JUnit, Bea WebLogic server, iText

HQL, PL/SQL, Eclipse, Log4j, GitHub, JIIRA, Jenkins, SonarQube, Windows

JMeter

Clients **:** Crate & Barrel (Northbrook, Illinois, USA), JBS (Greeley, Colorado, USA)

**Description:**

**GFM** Solutions provides the ability to document, manage, and monitor booking and tracking data necessary to streamline the shipping efforts of global supply chain. By this Solution companies will be able to reduce transportation costs, enhance carrier performance and improve on-time deliveries, increase visibility into shipment status, improve customer service, increase operational efficiency, and reduce manual processes.

**Responsibilities:**

* Involved in the development of functional modules like Shipment, Purchase Order, Vendor Booking, Commercial Invoice, Carrier Booking, Reports, Search Pages.
* Implemented EDI integration to accept the Transactions data from other 3rd party systems into the GFM system.
* Implemented Integration module to create Transactions using CSV file.
* Implemented the MVC pattern by using Struts for Pre & Post Processing of the Request, Spring (Web) for Business Logic and Hibernate for Persistence logic.
* Used struts validator framework for server-side data validations and AngularJS for GUI components development as Single Page application and client-side validations.
* Performed Synchronous and Asynchronous calls using AJAX -$http.
* Implemented Spring`s Data module by using Hibernate as ORM tool to interact with Data base Oracle for persistence operations using HQL queries.
* Involved in fixing SQL Injection vulnerabilities.
* Developed various Reports in PDF format for each of the Transactions and for End User requested customized reports using iText PDF.
* Connection Pool creation, Deployed, managed application in the WebLogic server.
* Performed performance of the application using JMeter tool.
* Created Test Cases and Suites using Junit for Unit testing for each functionality and performed Integration testing before release for QA verification.