**Nagi Reddy Gatla**

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**Summary**

* **Over 6 years** of Java/J2EE experience as full stack developer in Analysis, Design, Development, Implementation, Integration and Testing of **Client/Server**, Internet, Intranet Systems for various Industries using Object Oriented Analysis/Design/Methodologies.
* I truly enjoy writing software and I’m passionate about it, I have several personal projects on my GitHub account, you can view them on the URL above.
* Proficient in designing and developing web front end, component-based, object-oriented systems for building multi-tier architecture with hands on development expertise in front end GUI layer, application layer including middleware and core business frameworks and back-end (database) layer integration.
* Good experience with developing ETL pipelines with **Pyspark**, also good exposure to **Databricks** platform and Cosmos Document Database.
* Extensive experience in building Java web and enterprise applications which are scalable.
* Good Understanding of Design Patterns, Model View Controller (**MVC)** Architecture, Service Oriented Architecture **(SOA)** in developing enterprise applications.
* Developing Java/J2EE applications using **Spring MVC, Spring Boot, Java Beans, JDBC, Servlets, Java Server Pages, EJB and Hibernate.**
* Extensive experience in Java frameworks like **J2ee MVC, Spring MVC, Spring Boot, Jersey RESTful and Hibernate.**
* Experience with different spring modules like **Spring MVC, Spring Core, Spring AOP and Spring ORM.** Good understanding of **IOC** and **Dependency Injection**.
* Expertise in Front-End technologies like **HTML5, JSP, JavaScript, Typescript, Jquery, CSS** and **AJAX**.
* Experience in Front End frameworks like **Angular 4, React, Node JS and Express JS**.
* Expertise in creating **JSTL** **Custom Tag Libraries** and embedding them in the JSPs.
* Extensive experience in developing persistence layer using **JDBC, Hibernate** and **EJB**.
* Experience in developing backend data streams for applications using Apache Kafka.
* Experience in scaling Java Applications with caching mechanisms using in-memory database **Redis.**
* Extensive experience in developing and deploying applications on Websphere & Apache Tomcat in **DEV, QA** and **UAT** environments.
* Strong experience with JUnit in performing unit test and determining the application functionality.
* Hands on Experienced in database development using SQL, PL-SQL stored procedures, triggers. Understanding of indexing and views.
* Profound experience in developing applications using the **Agile SCRUM** and **TDD** Methodologies through tools like **JIRA**.

**Skills Summary**

**JAVA/J2EE**  : Spring MVC, RESTful Jersey, Hibernate JSP, Servlets, EJB, JMS, JDBC, JPA

**Web** : HTML5, Bootstrap CSS, JavaScript, Typescript, AJAX, jQuery & D3.JS

**Web Frameworks :** Angular 4, React, Node JS & Express JS

**Source Control** : Git

#### Databases : Microsoft Cosmos, Oracle, SQL Server, MySQL, Sqllite3 & MongoDB

**ETL :**  Pyspark, Databricks, Ambari

**Tools/Env** : Eclipse, Visual Studio Code, Maven, Jenkins, Linux & Windows

**Testing** : SoapUI, JUnit, Selenium, Jasmine & Karma

**Web/App Servers** : Tomcat & Websphere

**Work Experience**

**Capgemini North America, Inc.**

**Client – The Coca-Cola Company Apr 2018 – Present**

**Role: Developer Lead.**

**Project: Coca-Cola Net Sales Revenue**

**Location: Atlanta, GA.**

This project's major functionality is to collect entire Coca-Cola’s Sales and Revenue data from around the world and store data in Microsoft Cosmos datalake, Coca-Cola sellers enter blob data through front end and blob data is picked by Pyspark ETL and Pyspark does some transformations before loading data. Once the data is in datalake, Microsoft AAS service hits cosmos datalake and load data into AAS cubes. And on top of AAS, there is Microsoft power BI for users to view data in the form of reports. This is one of the biggest project in Coca-Cola worth 60 Million, which has data coming from Latin, EMEA and APAC countries.

**Role and Responsibilities:**

* Gathered technical requirements for this project to build ETL modules, front end in Angular 4 and backend in Java.
* Worked on building Pyspark modules on top of Microsoft Azure HDInsight servers.
* Developed and optimized Cosmos datalake queries, which is a new planet scale document database from Microsoft.
* Worked on few of the front end modules in Angular and RESTful webservice backend modules in Java Spring.
* Migrated Pyspark modules from HDInsight to Databricks platform to save server costs to Coca-Cola. In the process, created jobs for all the modules, so that front end and other connected systems talk to hitting Jobs API of databricks.
* Built message streaming service on Kafka to integrate data from several systems.
* Managed 15 onshore and offshore Pyspark, front end and backend developers to deliver the project to the client.

**Environment:** Java, J2EE, Spring MVC, JPA, Apache Kafka, Angular 4, HDInsight, Pyspark, Cosmos, Databricks, Databricks CLI, Databricks Jobs API, Ambari, GIT, Jira.

**Capgemini North America, Inc.**

**Client – The Coca-Cola Company Jul 2016 – Apr 2018**

**Role: Developer Lead.**

**Project: Coca-Cola Bottler Onboarding**

**Location: Atlanta, GA.**

This project's major functionality is to onboard new Bottlers of The Coca-Cola Company who take Coca-Cola Franchise to manufacture and sell Coca-Cola Products on behalf of Coca-Cola using the Software and Hardware Infrastructure of Coca-Cola. As part of Bottler Onboarding, there are several features that needs to be developed which helps new bottlers seamlessly to move onto Coca-Cola Platform. To onboard a bottler, there is development of new features to be done in whole stack of technologies of the Application such as Java Spring Boot, Hibernate, Apache Kafka, Redis, Angular 4, JavaScript, JQuery, HTML5, Bootstrap, Linux, Oracle and AWS Cloud. After the bottler is on-boarded, they can perform several functionalities such as setting up Accruals, Payment Requests, Rebates and getting those transactions done for several outlets such as Kroger, Walmart, Target, etc.

**Role and Responsibilities:**

* Worked in Agile SCRUM SDLC process to implement the Sprint tasks which are 4 weeks.
* Gathered technical requirements at the start of the project to onboard new Bottlers onto Coca-Cola platform, which could be requirements on new features or updates to existing Coca-Cola platform to accommodate new Bottler, and created user stories for the team.
* Worked on the design of various features in both front end and back end of the application, which involves adding new endpoints to the existing web services, creating new web services and changes to the front end part of the application.
* Managed 7 onshore and offshore front end and backend developers to deliver the project to the client.
* Developed RESTful Web Services with **Spring MVC** framework to access new bottler specific data from database and integrate these endpoints into the Coca-Cola web service platform.
* Designed and Developed responsive web design in **Angular 2/4** and **Bootstrap**, this web layer has two way data binding, and writing front end in Typescript makes it that much easy to develop.
* Built JPA-based data access layer using annotations to define entities and relationships.
* Configured **Hibernate** as persistence provider for JPA**.**
* Used **Spring ORM** to integrate Spring Framework with JPA and Hibernate.
* Developed **Redis** Caching layer to improve the performance of the Web Services.
* Developed authentication to Web Services with **Spring JWT** – Web Tokens.
* Worked on **Apache Kafka** to develop Stream Flows to integrate data from several systems.
* Designed and developed new Web Services end points to access new bottlers’ data by third party applications and interfaces such as Web-Methods, Teradata, etc.
* Implemented SSL certificates to the web layer.
* Developed Linux process scripts and FTP scripts for the new bottlers which can process bottler's data from the application's **Oracle** database and do some updates. This updated data is file transferred with FTP scripts to other systems, files involve payment request, rebates, accruals, etc.
* Developed **Oracle Procedures** to load and extracts data files which are sent to and received from Teradata which is the master data source for Coca-Cola.
* Configured and deployed application on **Tomcat** application server.
* Involved in developing **Unit Tests** with **Junit** & **Jasmine.**
* Worked with QA team to resolve the defects and UAT defects with the business users.
* Used Maven for the application builds and Jenkins for the continuous integration.
* Worked on GIT branches for production issues and scheduled functionality releases.
* Done code reviews for both onshore and offshore developers and ensured good coding practices.
* Refactored the code after code review meetings with team.

**Environment:** Java, J2EE, Spring MVC, JPA, Redis, Apache Kafka, Angular 4 HTML5, CSS, JavaScript, JQuery, Ajax, Tomcat, Eclipse, Visual Studio Code, Angular CLI, Webpack, GIT, Maven, Jenkins, Oracle, AWS & Redhat Linux.

**MathWorks, Inc Jun 2016 – Jul 2016**

**Role: Applications Development Engineer 2**

**Role and Responsibilities:**

* In this project I modernized legacy SOAP Webservice from Java 4 to Java 8.
* Migrated SOAP Web Service from licensed Websphere to open source Tomcat, it involved generating client stubs using Apache Axis 2 and modifying custom stub code from websphere stub compliant to Axis 2 compliant.
* Also Migrated Application from Mathworks server to AWS server, also did setup an SSL certificate to the webservice on AWS Redhat Linux Server.

**Environment:** SOAP Web Services, Apache Axis 2, Tomcat, RHEL Linux AWS & SSL Certificates

**Tata Consultancy Services Feb 2013 – Dec 2014**

**Client: Ericsson**

**Role: Senior Software Engineer**

**Project: ISP Tool**

**Role and Responsibilities:**

* In this project we received log files from Ericsson network stores, data from which is stored and visualized through a web application and Excel reports. Also data is exposed to several clients through web services.
* Led the team of 4 people, designed the modules of the application. And oversaw the huge project of exposing data through efficient RESTful webservices. This project is worth $400,000 and it was executed successfully.
* Developed RESTful Webservices for Mobile client of the Application using Jersey JAX-RS in Java, also implemented Redis in memory datastore caching in the Webservice to handle huge load of requests.
* Developed JavaScript/AJAX Web clients to consume Webservices data seamlessly in the application.
* Developed Unit Tests and executed in JUnit for Test driven development.
* Developed UI for users in JavaScript/JQuery to access stored data through Excel reports.
* Developed the features in the application which was built on Spring MVC framework.
* Handled issues and developed features related to Hibernate module of the application.
* Handled production issues/bugs pertaining to both front end and back end of the application.
* Developed Excel reports/graphs for data visualization using VBA for the entire application.

Java, Spring MVC, Hibernate, Jersey RESTful APIs, JSP, JavaScript, JSON, Maven, JUnit, MySQL, GIT repository

**Environment:**Java, Spring MVC, Hibernate, Jersey RESTful APIs, JSP, JavaScript, JSON, Maven, JUnit, MySQL, GIT repository.

**Tata Consultancy Services Sep 2011 – Jan 2013**

**Client: Ericsson**

**Role: Software Engineer**

**Project: ISP Tool**

**Role and Responsibilities:**

* Developed UI for users in JavaScript/JQuery to access stored data through Excel reports.
* Developed the features in the application which was built on Spring MVC framework.
* Handled issues and developed features related to Hibernate module of the application.
* Handled production issues/bugs pertaining to both front end and back end of the application.

**Environment:** Java, Spring MVC, Hibernate, Jersey RESTful APIs, JSP, JavaScript, JSON, JUnit, MySQL, GIT.

**EDUCATION:**

**Georgia State University, Atlanta, GA**

**Masters in Computer Science GPA 3.61 | May 2016**

* Relevant Coursework: Advance Software Engineering, Databases and Web, Windows System Programming, Machine Learning, Data Mining, Advance Operating Systems, Data Visualization.

**SASTRA University, India**

**Bachelors – Information Technology GPA 3.57 | Jun 2011**

* Relevant Coursework: Algorithms and Data-Structures, Operating Systems, Java, Databases.

**Academic/Personal Projects:** Available at<https://github.com/nagireddygatla?tab=repositories>

**Parking Lot:**

* Developed a parking lot application, this application takes car details and allots a parking spot, this handles parking, un-parking and parking fees.
* Technologies used: Spring Boot, JavaScript, JQuery, Bootstrap & MySQL.

**Visual MySQL Project**

* Developed a visual MySQL Application which generates tables, queries and data from MySQL database based on single letter inputs from the user.
* This application greatly simplifies the database usage as it removes the pain of typing queries to get the data because of its query and data generation through UI inputs.
* Technologies used: Java JSPs, JavaScript, JQuery & MySQL.

**Recommender Systems Project**

* Developed a Recommendation Engine for movie datasets using famous Collaborative and Item based filtering algorithms.
* This engine would give recommendations based on the user interests and other features.
* Technologies Used: Java, MySQL, Neo4j

**XML/DOM Parser Project**

* Developed a Java application that processes XML files containing information about data input forms.
* The Java application takes input an XML file name/URL that has data related to HTML forms and produces an HTML, SQL, JSP files on the fly which can handle CRUD operations.
* Technologies used: Java, JSPs, JavaScript & MySQL.

**Weather Charts Project**

* Developed a Weather Charts Application which retrieves weather (temperature, humidity, dew, etc) of any area by making an API call to Dark Sky Weather API, a chart is rendered for the weather over last few days.
* Technologies used: Java JSP, JavaScript, JQuery & Canvas JS (charting library).

**Sample Angular4 App**

* Developed a Sample Angular4 App to learn new features of Angular4 & Typescript. This App is just to display a stable of heroes with two way data binding, explored concepts of Components, Services, Routers and modules.
* Technologies Used:Angular4, TypeScript & Bootstrap.

**Sample Node JS Express4 App**

* Developed a Sample Node JS Express App to explore Express4 concepts. Implemented CRUD operations, API access, Express Middlewares & View Engines.
* Technologies Used:Node JS Express4, JQuery, Bootstrap & MongoDB.