

## Senior Software Engineer Profile (Java Full Stack Developer)

- Results-driven software engineer with over 3 years of experience in developing and implementing scalable, high-performance solutions. Proficient in back-end and front-end development, distributed Systems and microservice architecture. Skilled in mentoring teams, driving initiatives and delivering measurable results in fast-paced environments. Passionate about leveraging cutting-edge technologies to solve complex challenges at scale. Experienced in building high-performance solutions that handle thousands of transactions while ensuring reliability and operational efficiency.

### Professional Experience

#### LTIMINDTREE

Senior Software Engineer

December 2021 – Present

Project Name: Conti link 360 Solutions (C3S-Phase 1)

Team Size: 7

Start Date: 08/2022

End Date: **Present**

#### Project Description:

**C3S(website)** is tool used by Continental tires to interface with their dealers and fleet customers. C3S is section of the portal that deals with C9/D9(financial) transactions that happen between the dealers, continental, and Fleets. The existing Legacy system faced issues like high maintenance costs, delayed SAP interactions and validation failures. The objective was to modernize to a micro-service-based, fault-tolerant system with real-time validation, reducing SLA from days to minutes/hours. LTIMindtree and Continental Architects collaborated to replace the monolithic system with a micro-service ecosystem, ensuring high performance and future-proofing. The solution included a responsive dashboard, efficient data migration, and an Extreme Programming- based Agile model. The System Supports internationalization and accessibility across the **US, Canada, Mexico**.

#### Roles & Contribution:

- Applied the **Decomposition** principle to transition the legacy system into a microservices-based architecture using **Java 17**, ensuring each microservice was designed around business capabilities and had its own dedicated database.
- Developed frontend interfaces and functionality using **Angular**, improving task completion speed by 40% and reducing data input errors by 25%.
- Utilized **Spring Boot** and **JPA** for backend development, ensuring robust architecture and data integrity.
- Implemented security measures within API development, enhancing data protection.
- Developed multiple backend APIs to support key functionalities, including Excel and PDF file downloads. Wrote complex business logic APIs following **SOLID Principles** and utilized **Rest Template** for inter-microservice communication.
- Set up **gateway** microservices for secure communication between microservices.
- Designed and implemented a **Scheduler-as-a-service** using the **Quartz** framework, orchestrating over 10 automated tasks daily.
- Integrated **Swagger-UI** for API documentation and implemented a **Toggle** framework to enable/disable API features, along with automated email notifications.
- Transformed SOAP WSDL data into RESTful endpoints using **JaxB** Dependency.
- Resolved **idempotency** issues for **parallel and sequential** requests of identical transactions by utilizing a **Redis cache** between the application and database layers, which prevented duplicate record entries in the database.
- Fixed critical **bugs** during **BAT1, BAT2, piolet phase** of testing and improved code coverage with **JUnit** and **Mockito**.
- Executed end-to-end software solutions, including troubleshooting and debugging production issues using **Datadog logs**.
- Integrated **mail sending** functionality which enabled efficient communication and notification capabilities within the application, thus enhancing user engagement and facilitating timely updates and notifications.
- Internationalized** API error messages and automated account information downloads using **JXLS**.
- Designed and optimized database models using **Hibernate and PostgreSQL**, ensuring efficient data storage and high-performance query execution.
- Migrated the database model to **DEV, QA and PROD** environments using **Flyway Initializer**.
- Migrated all UI and backend microservice applications from **Spring 2 to Spring 3**. Utilized **Rest Client** instead of Rest Template, updated all POM libraries to the latest versions, **converted javax to jakarta**, and replaced **WebSecurityConfigurerAdapter** with **a securityFilterChain bean,etc.**
- Interface with product owners, stakeholders, and cross-functional teams throughout the SDLC to define software requirements and enhance value for customers and end-users.
- Create scalable code, perform quality assurance testing, identify product defects, and deliver technical solutions for bugs.
- Attended meetings with the project team to identify potential risks, resolve project roadblocks, and ensure compliance with user specifications and requirements.
- Mentored junior engineers and onboarded new team members through **knowledge-sharing sessions** and hands-on guidance improving team productivity and reducing ramp-up time for complex projects.

Project Name: **GOLD APP CUSTOMER SEGMENTATION (Phase 2)**  
Start Date: 03/2022

Team Size: 4  
End Month: 07/2022

### **Project Description:**

GOLD Program is an application that lets dealers and distribution's view sales activities.

### **Roles & Contribution:**

- Collaborated with the project architect to author comprehensive test cases using JUnit and Mockito, achieving 90% test coverage.

## **Education**

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Malnad College Of Engineering at Hassan  
BE in Computer Science and Engineering

August 2017 - August 2021  
8.32CGPA

## **Key Skills**

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**Core Competencies:** Data Structures, System Design, Object-Oriented Programming (OOP)

**Languages:** Java, Python, C, JavaScript, TypeScript, HTML5

**Frameworks:** Spring Boot, Hibernate, Angular, Quartz, Toggle

**DevOps & CI/CD:** GitHub, Jenkins, Argo CD, SonarQube

**Databases:** PostgreSQL, MongoDB, MySQL

**Testing and Debugging:** JUnit, Mockito, Data Dog, Kibana

**Project Management & Issue Tracking:** Redmine

**APIs:** REST, Swagger

## **Accomplishments**

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### **Awards & Recognition**

- **Problem Solver Award:** Recognized for diligent problem-solving within constraints of time.
- **A-Team Award:** Commended for exemplary teamwork.
- Our project was nominated as a finalist in the **2024 ISG Paragon Awards** under the **Transformation** category, with results to be announced in November: <https://www.businesswire.com/news/home/20240820706554/en/ISG-Announces-Finalists-for-the-2024-ISG-Paragon->
- **LeetCode Profile:** <https://leetcode.com/aafthab/>
- **LinkedIn Profile:** <http://www.linkedin.com/in/aafthab-tumminakatti-0b9702216>
- **Github Profile:** <https://github.com/Aafthabt1/CMS>

### **Certifications**

- **Github Foundations:** [https://www.credly.com/badges/50de6cb3-954c-44e6-811f-28f9c8be1a21/linked\\_in?t=sf46va](https://www.credly.com/badges/50de6cb3-954c-44e6-811f-28f9c8be1a21/linked_in?t=sf46va)