

## KAVIYA NAGARAJU

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### Profile Summary

- 2+ years of experience in software development.
- Proficient in **Core Java, Spring Boot, JPA, RESTful APIs, Gradle, and Maven**.
- Strong skills in Java development, including **OOP concepts, Exception Handling, Collections, and Multithreading**.
- Experienced in developing **RESTful Web Services** and REST clients for seamless data communication.
- Hands-on experience with **Kafka** (Source and Sink connectors) and **Redis**.
- Completed POCs on **Cloud Run** and **Cloud Functions** in GCP.
- Worked with tools such as **Jenkins** and **PCF** for deploying packages to various servers and analyzing log files.
- Solid knowledge of RDBMS like **MySQL** and **PostgreSQL** and experience in optimizing queries for performance.
- Proficient with tools such as **GitHub, IntelliJ IDEA, WebStorm, VS Code, and Postman**.
- Experienced in managing software development projects through the full **SDLC**, focusing on **Agile methodologies**.
- Strong team player, adhering to senior opinions while proactively contributing ideas for task completion.
- Excellent communication and interpersonal skills, enabling effective collaboration in diverse team environments.

### Professional Experience

#### Software Engineer

Mavens I Softech Solutions, Chennai

February 2023 – Present

#### Project I: Global Dealer Web Reporting (GDWR) (FORD Project)

- **Description:** GDWR is an application designed to manage reports for Ford dealers, consisting of modules like GDWR UI, Internal User Validation, Scheduler Job, DEFT, and LA. Technologies used include Java, Spring Boot, JPA, RESTful, and MySQL.
- **Roles and Responsibilities:**
  - Implemented business logic based on requirements.
  - Analyzed and fixed defects in development.
  - Collaborated with the frontend team to integrate backend services seamlessly.
- **Tools Used:** IntelliJ IDEA, GIT-Hub, Jenkins, PCF, Postman.

## Project II: Metro Train Movement Reports and Dashboards for Alstom

- **Description:** The application is a **Metro Train Movement Reporting and Dashboard System** designed to analyze historical train movement data. It supports role-based access for different clients such as Eglington, RNA, and Seatac of Alstom. The system processes large-scale train movement data using Kafka connectors, provides real-time and batch reporting, and allows users to download reports in PDF and CSV formats
- **Responsibilities:**
  - Designed backend services for data ingestion, processing, and caching.
  - Implemented role-based access control for multi-client support.
  - Implemented WebSockets to stream real-time train movement data and developed a scheduler to automate the deletion and archival of old data from the database
  - Configured Kafka connectors for real-time data processing.
  - Automated file scanning and report generation (PDF/CSV) using schedulers.
- **Technologies:** Java, Angular, Kafka, Redis, Highcharts, Spring Boot, Docker, Kubernetes.
- **Tools:** IntelliJ IDEA, VS Code, GitHub, Docker desktop.

## Certifications

Basics of Web Development using React Framework

## Education

- M.SC in Mathematics with **8.238** (CGPA) from Stella Maris College, Chennai ( Oct 2020 - July 2022)
- B.SC in Mathematics with **8.03**(CGPA) from Women's Christian College, Chennai (June 2017 - Sep 2020)
- HSC from Prince Matric Hr. Sec. School, Chennai with an aggregate of **93.5%** (March 2017).
- SSLC from Prince Matric Hr. Sec. School, Chennai with an aggregate of **98.75%** (March 2015).

## Personal Profile

- **Date of Birth:** 15-11-1999
- **Father's Name:** Nagaraju
- **Gender:** Female
- **Languages Known:** English, Tamil (Speak, Read, Write)
- **Nationality:** Indian

## Declaration

I hereby declare that the information furnished above is true to the best of my knowledge and belief.

**Date:** 04/04/2025

**Place:** Chennai

KAVIYA NAGARAJU.