## Mahalakshmi Mothilal

## DEVOPS ENGINEER

Enthusiastic Software Engineer with **Around 2 Years** of experience in IT Development and Devops with understanding of Software Development Life Cycle with Agile Methodology.

## PROFESSIONAL SUMMARY

* Well experienced in **Devops** technologies in the phase of building and deploying app using the **CICD** **Tekton** Pipelines in the multiple cloud environments.
* Having 1 Years of experience in developing web and Enterprise Applications using technologies Java/J2EE,
* **Spring boot** and hibernate.
* Hands on experience in **GitHub**
* Hands on experience in **Google Cloud Platform**
* Hands on experience in **Caas Deployment**.
* Hands on experience on **PCF** deployment
* Hands on experience on **Microsoft Azure**.
* Having Knowledge on Docker.
* Having knowledge on GCP and Microsoft Azure Pipelines
* Good exposure on **core** **JAVA**.
* Knowledge of Web services.
* **Quick adaptability** to new technologies and zeal to improve technical skills. Active participation in a team, belief in team work and team efforts.
* Strong base in process and results orientation, quality consciousness and team work
* Excellent verbal and written communication skills, good work ethics, the ability to work well in a team or individual environment and user interaction

**EDUCATION**

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| **Degree** | **University** |
| B.E(CSE) | Anna University |

**EXPERIENCE**

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| **Organization** | **Designation** | **Client** | **Duration** |
| STGInfotech | software Engineer | Fiat Chrysler | From December 2021-April 2022 |
| STGInfotech | Software Engineer | Ford AutoMobiles | From May2022-July 2022 |
| STGInfotech | Software Engineer | Mercendez Benz Automobiles | From August –Till now |

## TECHNICAL SKILLS

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| **Programming Languages** | Core Java, J2EE |
| **Build Tools** | Maven , Gradle |
| **Deployment Environment** | PCF , Caas, GCP, CloudRun |
| **Source Repository** | GitHub |
| **Pipeline Environment** | OpenShift, Tekton |
| **Scripting Language** | Yaml |
| **Frameworks** | Spring Boot |
| **Web Technologies** | Servlets,Rest Webservices |
| **Front End Technologies** | Angular,Javascript |
| **Ide’s& Tools** | Intellij,Eclipse |
| **Web Servers** | Liberty Server |
| **Database** | Mssql,Mysql |

## PROJECT PROFILE

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| **Project Name** | FCA Customer Experience Data Hub Application |
| **Client** | FCA |
| **Organization** | STG Infotech |
| **Role** | Full Stack Developer |
| **Tools Used** | Microsoft Azure, PCF , Caas, CloudRun, Java, IntelliJ, Liberty Server,  Spring Boot, Spring Batch, Gradle  GitHub/ GitBash, Postman, Jacoco, Junit, AWS |

**Project Description**

FCA Customer Experience Data Hub application (FCEDHA) project automates the data loading process into Customer Experience Data Hub application database to enable business to perform analysis and generate reports. FCEDH consolidates customer experience related data from multiple data sources and stores within a single centralized data hub. Interface with external systems for integration with Dealer Incentive Program which ties in a dealer incentive to the existing Customer First Award for Excellence program in order to drive dealer behaviour that improve the customer’s car-buying experience, which in turn should increase customer loyalty, and vehicle sales for FCA and reduce corporate costs. Project develops batch jobs for processing feedback files and reports, from SFTP Server, and loads the data within Customer Experience Application data hub.

**Responsibilities**

* As a Devops engineer will be part of building CICD pipelines using Tekton for web applications.
* Involved in stages of Clone, build and deploy phases of building pipelines. As part of DevSecOps will be part of Integrating full-fledged end to end development to deployment cycle of application with the Agile methodology.
* Worked with Git to manage source code repositories and performed branching, merging, pull, push
* Tagging depending in the requirement and webhook for automatic triggers.
* Deployed the Java, Spring boot and Nodejs applications in PCF
* Experience in maintaining CI & CD using with Microsoft Azure

## PROJECT PROFIL

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| **Project Name** | GVDS(Global Vehicle Distribution System) |
| **Client** | Ford Automobiles |
| **Organization** | STG Infotech |
| **Role** | Full Stack Developer |
| **Tools Used** | GCP, Caas, CloudRun, Java, IntelliJ, Liberty Server,  Spring Boot, Spring Batch, Gradle  GitHub/ GitBash, Postman, Jacoco, Junit, Redhat Openshift |

**Project Description**

GVDS is a vehicle distribution for the market vice process. In this Application, there are several Market processes for Ap and EU. The main components are CMS, CPS, and Hand Scanners. CPS is the global tracking tool used for tracking the vehicle from plant to Dealer through the Vessel, truck, or train based on the route needed to transport the vehicle. Based on the VIN Number it will track everything once it gets out of the plant and also some quality checking Processes for the VINs will be processed to test the vehicle. CMS is mainly used for the compound in the plant and all the testing work will proceed in this CMS. Hand scanners are normally used for scanning the VIN number once it reaches the Dealer. This application is mainly helpful for tracking vehicle Information from plant to Dealer in a clear and correct manner.

**Responsibilities**

* As a Devops engineer will be part of building CICD pipelines using Redhat Openshift for web applications.
* Deployed the Java, Spring boot and Nodejs applications in CaaS and GCP CloudRun
* Worked with Git to manage source code repositories and performed branching, merging, pull, push and used Webhook for Automatic triggering
* User Story Analysis and Defect Tracking in Rally
* Creating Docker images from containers, creating images using Docker file and storing the images on Redhat Quay & Artifact registry in cloudrun.
* Worked on build configurations maven and Gradle
* Experience in maintaining CI & CD using with Tekton
* Deployed the Java, Spring boot and Nodejs applications in Redhat Openshift
* Involved in Documentation working of Openshift platform and Kubernetes
* Configuring quality checks with Checkmarx and SonarQube for code base

## PROJECT PROFILE

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| **Project Name** | MBFS(Mercendez Benz Financial Service) |
| **Client** | Mercendez Benz AutoMobiles |
| **Organization** | STG Infotech |
| **Role** | Full Stack Developer |
| **Tools Used** | GCP , Caas, CloudRun, Java, IntelliJ, Liberty Server,  Spring Boot, Spring Batch, Maven  GitHub/ GitBash, Postman, Jacoco, Junit, Aws |

**Project Description**

The application is used to handle the payment process for MBFS Cars and Vans. The payment are made from various sources and the application handles those payment information to process them with the banks and updates the Master system about the payments.

**Responsibilities**

* As a Devops engineer will be part of building CICD pipelines using Tekton for web applications.
* Involved in stages of Clone, build and deploy phases of building pipelines. As part of DevSecOps will be part of Integrating full-fledged end to end development to deployment cycle of application with the agile methodology.
* Deployed the Java, Spring boot and Nodejs applications in CaaS and GCP CloudRun
* User Story Analysis and Defect Tracking in Rally
* understanding and Acceptance criteria planned for particular sprint
* Involved in Daily Scrum, grooming calls with Development and business Analyst Teams
* Creating Docker images from containers, creating images using Docker file and storing the images on Redhat Quay & Artifact registry in cloudrun.
* Having very good experience in working with tekton
* Worked on build configurations Gradle
* Experience in maintaining CI & CD using with tekton
* Configuring quality checks Checkmarx and also worked with Sonarcloud for code base
* Involved Unit Testing of completed modules using Junit and Mockito