

# JanithaMadushan

## MOBILE

+94 71 57 81 553  
+94 75 97 46 502

## SKYPE

maduse90

## MAILING

janithasen@gmail.com

## WEB

Linkedin

Stackoverflow

Github

## OS

Windows ★★★★★  
Linux ★★★★★

## LANGUAGES

Java ★★★★★  
JavaScript ★★★★★  
Python ★★★★★  
C ★★★★★

## TECHNOLOGIES

Spring ★★★★★  
Hibernate ★★★★★  
Docker ★★★★★  
Kubernetes ★★★★★  
Jenkins ★★★★★  
VSphere ★★★★★  
AWS ★★★★★  
GIT ★★★★★  
Ansible ★★★★★  
Terraform ★★★★★  
Gradle ★★★★★

## DATABASES

MySQL ★★★★★  
MsSql ★★★★★  
Oracle ★★★★★

## EDUCATION

Aug. 11 - June 15 **Computer Engineering** Faculty of Engineering, University of Peradeniya, Sri-Lanka

BSc(Hons) Specialized in "Computer Engineering" (**Electronics, Mathematics, Computer-Hardware & Computer-Software**)

## EXPERIENCE

Nov. 15 - Now **Senior Software Engineer** Cambio Software Engineering

Cambio Healthcare Systems is a Swedish based company that delivers products and services to the e-healthcare market over 20+ years. I have been working here for 4+ years as my first job opportunity & currently working here as a "Senior Software Engineer" (R&D).

"Cambio" has its own frameworks, to implement the product based on Java. Therefore it has its own strategies/tools to Build, Release & Deploy the product. I developed multiple tools/applications, have complex logic to support Build, Release & Deployment phases, using cutting edge technologies in an 'Agile' work environment. Also, I got the opportunity to work onsite in 'Sweden' & work closely with the DevOps team as well.

My strength is, I could convert any complex logic to the code.

Oct. 15 - Mar.16 **Internship** IFS R&D

I involved in an R&D project to expose their database entities as Restful resources. (**ASP.NET, ORACLE 12C, PL-SQL, ORACLE-APEX, Microsoft office apps, IFS DB Framework**)

## PROJECTS

**Tekton** Release Automation Tool  
Release automation tool based on "Graph Theory". Over the time "Cosmic" modules have introduced cyclic dependencies (Maven) through, developing over "transitive dependencies" in the modules.

This became messy & Strongly Connected Directed Graph to the release phase. Release engineers were struggling to determine the releasing order. Finally, a solution was introduced based on graph theories & implemented accordingly to micro-services architecture using TDD. "Trajan's SCC" Algorithm was used to determine cycles & UI introduced to resolve cycles and to provide "Directed Acyclic Graph" in the releasing phase to automate/determine release order. Parallel processing, Caching, Messaging queues & Multi-Threading were used to improve the performance of the tool. (**Java, Apache-Aether, Spring-Boot, RabbitMq, Redis, ReactJs, Docker, Kubernetes, Helm-Charts, Jenkins-Pipeline, Nginx, NodeJs, Maven, Junit, Mockito, Swagger-code-gen, TDD & Algorithms**)

### Snooper

[Delivery Information Management Application](#)

Snooper is a subproject of the “Stacker” main project. This application stores the delivery information & provide searches to release engineers to get previous delivery information. The application is mainly updated by the “Stacker Tool” through its Restful endpoints. The front end is written with AngularJs & the backend is written with “Spring-Cloud” based micro-services.

Every component has “Dockerized” & deployed using “Docker-compose” in a Linux Virtual Machine, Integrated (ELK) stack to monitor logs of the application. **(Java, Spring-cloud, zuul-proxy, Hibernate, AngularJs, Docker, Gulp, SpringJunit, SonarQube, MySql, Jenkins, Kibana, Logstash, Elastic-search, Prometheus, Grafana, Git, Linux, VSphere)**

### ART

[Delivery Application](#)

This is a web-based delivery application which generates specific pom structure is used inside the company based on BOM(Baseline POM). The application consists of a database that holds necessary data. The application is integrated with AD and roles are saved inside the application since this is a role-based application. **(Java, Spring, Spring-Security, Hibernate, AngularJs, JBoss, SOA, MSSQL, T-SQL, Junit, Mockito, SonarQube)**

### Stacker

[Delivery Automation Tool](#)

This is a maven-plugin which generates multi-modules pom structure using BOM(Baseline POM) and MetaData(Artifact) according to different types of modules in the BOM(Dependencies). The rest is done by the maven-plugins have configured in the POMs. This main plugin is configured in a Jenkins Job and all of the plugins have released to Nexus. **(Java, Maven-plugins, Jenkins, Jenkins-pipelines, Junit, Mockito, SonarQube)**

### Artifactory

[Artifactory Tool](#)

Involved to design, develop & deployment phases of setting up ‘Artifactory’ repositories, to replace Nexus repositories in two distinct geographical locations. **(Java, Linux, Linux LVM, NFS, NGINX, Docker, VSphere)**

## CERTIFICATIONS

### 1ZO-808

Oracle Certified Associate, Java SE 8 Programmer

### 1ZO-809

Oracle Certified Professional, Java SE 8 Programmer

### AWS

AWS Certified Solutions Architect Associate (2019)

## ASSOCIATIONS

### IESL

Associate Member of Institute of Engineers, Sri Lanka

**Janitha Madushan**

**December 21, 2019**