

# JanithaMadushan

## Sr. Software Engineer

### MAILING

[janithasen@gmail.com](mailto: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 ★★★★★

### 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**