






DANUSHKA HERATH

SOFTWARE ENGINEER

 School junction, Kodapaluwa, Alawwa,
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ABOUT ME

I am a self-motivated individual, looking for more effective and efficient solutions.

PERSONAL DETAILS

Date of birth
1996/04/09

Nationality
Sri Lankan

Marital status
Single

LINKS

Personal Websiye:
<https://danushka96.github.io>

Blog:
<https://danushka96.github.io/sigma/index.php/author/danushka/>

Github:
<https://github.com/danushka96>

Linkedin:
<https://www.linkedin.com/in/danushka96/>

Stackoverflow:
<https://stackoverflow.com/users/5606759/danushka-herath>

LANGUAGES

SINGALA

ENGLISH

WORK EXPERIENCE

KLASS.LK

Colombo
Mar 2022 - Present

FOUNDER

KLASS.LK is an online institute management system that helps to manage online classes and materials for students and teachers. I developed the complete backend solution and some features in Frontend as well for KLASS.LK with using Spring Webflux and VueJS.

Technologies: Java 17, Spring Boot Web Flux, MongoDB, Vue Cloud: AWS (EC2, S3)

USTOCKTRADE

Nugegoda
Mar 2020 - Mar 2022

SOFTWARE ENGINEER

In Ustocktrade I contributed to developing backends with Java and frontends with Angular and VueJs. These are some projects I have worked with

- **Ticker - (Java)**

Market Data Service to consume market data from multiple markets and available them to consume with internal applications. The challenge was to reduce the latency of the market data process. We had to keep it under 5ms with an average of 40K market data per second.

- **Security Library For the Framework (Java)**

Ustocktrade had a java microservice framework that was developed to write business applications easily. I had the chance to develop a security library to authenticate and authorize users and services in the framework using OAuth

- **Collateral Application (Angular)**

Collateral Application is a web interface that is given to banks to approve trading-based transactions manually. I developed the front-end of this application using Angular 11

INTERNSHIP

USTOCKTRADE

NUGEGODA
Aug 2019 - Mar 2020

SOFTWARE ENGINEER

I successfully completed my internship while studying for the BSc Computer Science degree.

- **Docker Dashboard (Java / Vue)**

In my internship, Docker Dashboard was my main project. The purpose of this project was to simplify the deployment and scaling process of the applications to the operating engineers. You can simply select the version number of instances needed and deploy. The deployment will be handled by a Java backend with help of Docker

EDUCATION

**UNIVERSITY OF
COLOMBO SCHOOL
OF COMPUTING**
Colombo, Sri Lanka
2020

BSc in Computer Science

I started my degree BSc in Computer Science in 2017 and graduated in 2020.

EXTRA-CURRICULAR ACTIVITIES

MENTOR

Jun 2020 - Aug 2020

Google Summer Of Code 2020

Participated in Google Summer of code 2020 as a mentor in SCoRe Lab (Sustainable Computing Research Lab) to develop a crowd sourced train tracking app (Next level of 2019 Summary of code APP)

MENTOR

Dec 2019 - Jan 2020

Google Code-in 2019

Participated in Google Code-in 2019 as a mentor in SCoRe Lab (Sustainable Computing Research Lab)

MENTOR

May 2019 - Aug 2019

Google Summer Of Code 2019

Participated in Google Summer of code 2019 as a mentor in SCoRe Lab (**Sustainable Computing Research Lab**) to develop a crowd sourced train tracking app

OPENSOURCE PROJECTS

Vimeo SDK for Java

Developed a Java SDK for Vimeo Video streaming service that can be embedded with Spring boot webflux.

<https://github.com/Danushka96/vimeo-java>

Mongo Migration Library for Mongo Reactive Driver

Current Spring-Mongo migration libraries do not support Mongo Reactive driver. This is a library that users can write migration scripts for Spring boot web flux.

<https://github.com/Klass-lk/reactive-spring-mongo-migrations>

Github action for publish messages to AWS SNS topics

This is a Github action that users can publish messages to SNS topics while the build pipeline is running.

<https://github.com/Danushka96/sns-action>

SKILLS

REACTIVE PROGEAMMING

JAVA

JAVASCRIPT

VUEJS

ANGULAR

AWS

DOCKER

SPRINGBOOT

MONGO DB

GIT

KUBERNETE

GITHUB ACTIONS

GRAFANA

AMPLIFY