

# Thea Olivia Yusuf

SOFTWARE ENGINEER @ KLARNA BANK AB

Stockholm, Sweden

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*"I have a feeling tomorrow will be better is different from I resolve to make tomorrow better"*

## Summary

Software Engineer in Python based in Stockholm, Sweden and currently working for Klarna Bank AB. 2+ years experience specializing in the backend development and API design. I love getting involved in GitHub Open Source community and tinkering with Linux and OS X and enjoys to delivering best solutions to software products. Interested in devising a better problem-solving method for challenging tasks, and learning new technologies and tools if the need arises. Enjoying doing coding online judge such as uva.onlinejudge.org.

## Skills

**Languages** Python, JavaScript, Java, C++, PHP

**Frameworks** Django, Flask, React.js, Express.js, Node.js

**Tools** Airflow, Kafka, TensorFlow, Git, GitHub

**Databases** MySQL, PostgreSQL, MongoDB, GraphQL

**Cloud Technologies** AWS Lambda, AWS DynamoDB, AWS Elastic BeanStalk, Google App Engine, Google Cloud SQL

## Work Experience

### Klarna Bank AB

Stockholm, Sweden

PYTHON SOFTWARE DEVELOPER

January 2020-

- Assists recruiters with providing technical challenge for Lever from data to automation.
- Automating repetitive recruiter tasks such as auto email welcoming service and auto correction for candidate data.
- Develops web apps mostly in Python3.8, PostgreSQL and deployed in AWS Lambda.

### Self-Employed

Bandung, Indonesia

FREELANCE SOFTWARE DEVELOPER

January 2018 - December 2020

- Provisioned an easily manageable hybrid infrastructure(GCP + On-premise) utilizing some IaC(Infrastructure as Code) tools like Ansible or Terraform.
- Built fully automated CI/CD pipelines on TravisCI for containerized applications using Docker and Kubernetes.
- Designing an overall service architecture and pipelines of the e-Commerce infrastructure with the micro-services architecture.
- Designed and Implemented RESTful API microservices in Flask and in the serverless Google App Engines or AWS Lambda.
- Develops web apps mostly in React.js, Gatsby.js and Flask or Django.

### rekruta.com

Jakarta, Indonesia

SOFTWARE ENGINEER INTERN

June 2016 - August 2016

- Developed Rekruta chrome extension for easier managing recruitment with stacks Javascript, JQuery, HTML and CSS built above Node.js.
- Developed a search engine as a product feature, search by attributes for more organized and faster sorting list of recruitees. Using Sails.js and MongoDB queries and with Polymer 1.0 user interface.

## Projects

### viral.in

Bandung, Indonesia

BACKEND AND INFRASTRUCTURE

June 2019

- Implemented RESTful API server for viral.in with Flask and use React.js at front-end stack.
- Built and deployed overall service infrastructure utilizing Docker container, TravisCI, and several AWS stack(Including EBS, Route 53, S3, Lambda, DynamoDB, Cognito, IAM), focusing on high-availability, high-scalability and less-maintainability.

### The RAFFLES Project

Bandung, Indonesia

DATA ENGINEER

May 2019 -

- A real-time English-Bahasa translation tool which users upload a document with no user credentials and return a translated document.
- Using NLP tools (Prosa.ai's Syntax API for Bahasa and Stanford CoreNLP API for English)to generate POS-Tag and featured in Airflow.
- Designing real-time data pipelining using Apache Spark to stream the document and Kafka for queuing the input text of each document.
- Orchestrating Docker containers with Kubernetes and integrating CI/CD pipelines with TravisCI and GoCD and hosted with several AWS stack.

- My Object-Oriented Programming coursework while in college. Creating a simulator for aquarium.
- Implementing OOP concepts with Java and its interface with Java Spring and then use JUnit for unit testing.

## Education

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### ITB (Bandung Institute of Technology)

*Bandung, Indonesia*

B.S. IN COMPUTER SCIENCE

*September 2011- April 2018*

Courseworks : Algorithm and Data Structures, Object-Oriented Programming, Distributed and Parallel Systems, Artificial Intelligence, Machine Learning.

## Honors & Awards

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|------|---|---------------------------|
| 2017 | <b>Participant</b> , ACM-ICPC 2017 Regional Contest         | <i>Jakarta, Indonesia</i> |
| 2016 | <b>Finalist</b> , Facebook Indonesia Developer Challenge    | <i>Jakarta, Indonesia</i> |
| 2014 | <b>Finalist</b> , GEMASTIK 7 Software Development Challenge | <i>Jakarta, Indonesia</i> |