

Thea Olivia Yusuf

FREELANCE SOFTWARE DEVELOPER

West Java, Indonesia

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

Summary

Freelance Software Developer and Architect based in Bandung, West Java, Indonesia. 1+ 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.

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

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.

AquaAesthetic

Bandung, Indonesia

CONTRIBUTOR

April 2017

- 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

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.

Work Experience

Self-Employed

Bandung, Indonesia

FREELANCE SOFTWARE DEVELOPER

January 2018 -

- Provisioned an easily managable 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.

- 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.

Honors & Awards

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