

Gyeoul Jung

PYTHON DEVELOPER

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Work Experience

Atlas Guide

Seoul, S.Korea

SOFTWARE ENGINEER

Mar. 2018 - Jul. 2018

- Implement RESTful API servers using python for maintaining LangNet.
- Contribute to LangNet whitepaper.
- Build the central api server using flask, postgresql, sentry, AWS RDS.
- Make LangNet telegram bot which handle user voices and provide LANG tokens using rq, websocket.
- Build the backend for frontend server with JWT and Keycloak as SSO solution.
- Build the async websocket server which handle user voice and analyze result using asyncio, aiohttp.
- Configure a test environment using docker compose.

Personal Project

Chef hong - Kakaotalk chatbot

CHEF OF HONGIK UNIVERSITY

Aug. 2016 - Present

- Provide menu of student restaurant using kakaotalk plusfriend api using Python + Flask + PyQuery.
- 5,000 total user, 400 active user, 20,000 api call/month
- Test with pytest + tox + pylint in Travis CI with Codecov.
- Deployed with Gunicorn + Caddy in personal ubuntu server.
- Gather logs and analyze user activity using Elasticsearch + Logstash + Kibana from docker-compose.
- Uploaded to Github repo as an open source project with MIT license.

Chatterbox.py

54 Stars

PYTHON LIBRARY FOR KAKAOTALK CHATBOT

Jan. 2018 - May. 2018

- Provide helpful toolbox to make kakaotalk plusfriend bot.
- Use wrapper to build a response and support to combine each others easily.
- Test with pytest + tox + pylint in Travis CI and Appveyor with Codecov
- Uploaded to Github repo as an open source project with MIT license.

File on blockchain

11 Stars

STORE FILE'S HASH ON THE ETHEREUM BLOCKCHAIN AND VERIFY IT'S ORIGINAL

Nov. 2017 - Mar. 2018

- Provide original proof service using Ethereum blockchain + Python as PoC.
- Use Flask to interact with user who upload the original document and verify a original of document.
- Use Web3.py + Solidity to store hash of document into the Ethereum blockchain and call the contract function in webserver.
- Uploaded to Github repo as an open source project with MIT license.

Opensource Contribution

Feature **halo**, Implement Halo in jupyter notebook

May. 2018

Bug Fix **requests-html**, Fix the bug about decoding html with CJK

Mar. 2018

Feature **Interview Question for Beginner**, Add python interview questions and answers

Mar. 2018

Translate **wtr.in**, Add full Korean translation

Apr. 2017

Translate **pyphoon**, Add Korean translation

Apr. 2017

Skill

Backend **Python**, flask, restful api server, testing, model design

Database, postgresql, redis

Blockchain, solidity, web3.py

Etc **Devops**, sentry, CI, docker compose, ELK, AWS

Bot **Telegram, Kakaotalk, Slack**, using python

Presentation

Oct. 2017 **Urban Engineering and Python** , Speaker of python & data topic in pycon bimonthly seminar
Jun. 2017 **Optimize target distribution center** , Analyze using python + jupyter + matplotlib + sklearn
Dec. 2016 **Location analysis for the expansion of kindergarten** , Use python + QGIS

Seoul, S.Korea
Hongik Univ
Hongik Univ

Writing

Feb. 2018 **Mechanism of python GC**, Detail of python gc
Dec. 2017 **Post mortem of file on blockchain**, How I developed the file on blockchain service

Blog
Blog

Education

Hongik University

B.E. IN URBAN ENGINEERING

- Learn about GIS, Big Data Analysis, Urban Planning
- Research Assistant in Prof. Jae Seung Lee lab

Seoul, S.Korea
Mar. 2014 - PRESENT

Korea Digital Media High School

GRADUATE IN HACKING DEFENSE

Ansan, S.Korea
Mar. 2011 - Feb. 2014

Extracurricular Activity

Software Maestro 8th

MENTEE, BACKEND DEVELOPER

- Make the SIGNAL service for connecting people on blockchain
- Implement backend side using python flask

Seoul, S.Korea
Aug. 2017 - Dec. 2017

9XD Hackathon

BACKEND, AWARDED THE HELPER, CAFE-IN PRIZE

- Make a service to find nearby cafes
- Implement api server using python flask, selenium
- Help other teams with konlpy, paper.js

Seoul, S.Korea
Sep. 2017

Certificate

2017 **Industrial Engineer**, Information Processing
2014 **Open Water**, SCUBA Diver

MSIP
SDI/TDI/ERDI Korea