

Gyeoul Jung

PYTHON DEVELOPER

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Work Experience

Atlas Guide

Seoul, S.Korea

SOFTWARE ENGINEER

Mar. 2018 - Jul. 2018

- Communicate in English with co-workers.
- Implement RESTful API servers using Python for maintaining LangNet.
- Contribute to LangNet whitepaper.
- Build centralized API server using Flask, PostgreSQL, AWS RDS.
- Deploy a centralized error reporting environment with Sentry.
- Make a Telegram bot which handles user voices and provides LANG tokens using rq and websocket.
- Build a backend server with JWT authentication, and Keycloak as SSO solution.
- Build an asynchronous websocket server which handles user voices and analyzes results with asyncio.
- Setup a test environment using docker-compose.

Personal Project

Chef hong - Kakaotalk chatbot

Github

CHEF OF HONGIK UNIVERSITY

Aug. 2016 - Present

- Notify menu of student cafeteria using Python, Flask, and PyQuery with KakaoTalk PlusFriend API.
- 5,000 RU, 400 MAU, 20,000 API calls/month
- Setup a test environment with pytest running on Travis CI with coverage checks.
- Analyze user activities from collected logs on ELK stack.

Chatterbox.py

Github

PYTHON LIBRARY FOR KAKAOTALK CHATBOT

Jan. 2018 - May. 2018

- Provide helpful toolbox for building KakaoTalk PlusFriend bot.
- Support sophisticated syntax used to build a single response.
- Setup a test environment with pytest, tox, pylint running on Travis CI and Appveyor with coverage checks with Codecov.

File on blockchain

Github

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

Nov. 2017 - Mar. 2018

- Deploy verification service on Ethereum blockchain using Python and Flask as a PoC.
- Provide a service that user can upload a document, which needs to be proven in its originality, so that user can know the document has not been malformed.
- Store hash of the document into Ethereum network, and then trigger a contract function which verifies document's originality. (Web3.py, Solidity)

Opensource Contribution

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

May. 2018

Bugfix **requests-html**, Fix a bug where an error occurred while decoding HTML containing CJK characters

Mar. 2018

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

Mar. 2018

i18n **wtr.in**, Add full Korean translation

Apr. 2017

i18n **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**, Python

Language **English**, CEFR level - B1

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

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Hongik Univ
Hongik Univ

Writing

Feb. 2018 **Mechanism of Python GC**, Details of Python GC
Dec. 2017 **Post mortem of file on blockchain**, How I made 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 a SIGNAL service for connecting people on blockchain
- Implement backend features using Python and 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 and Selenium
- Support other teams suffering problems with konlpy and paper.js

Seoul, S.Korea
Sep. 2017

Certificate

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

MSIP
SDI/TDI/ERDI Korea