

Gyeoul Jung

PYTHON DEVELOPER

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Work Experience

Atlas Guide

Seoul, S.Korea

SOFTWARE ENGINEER

Mar. 2018 - Sep. 2018

- Communicate in English with co-workers.
- Implement RESTful API servers for maintaining LangNet. (Python, AWS ECS, Sentry, TDD)
- Build a centralized API server. (Flask, SQLAlchemy, PostgreSQL)
- Make a Telegram bot 🤖 which handles user voices and provides LANG tokens (Python, rq, websocket)
- Build a stateless authentication server. (Flask, JWT, Keycloak)
- Build an asynchronous server which handles user voices and analyzes results. (websocket, asyncio)
- Setup a test environment. (docker-compose)
- Contribute to LangNet whitepaper 📄.

Personal Project

Chef hong - KakaoTalk chatbot

GitHub 📄

CHEF OF HONGIK UNIVERSITY

Aug. 2016 - Present

- Notify menu of student cafeteria with KakaoTalk PlusFriend API. (Python, Flask, PyQuery, Chatterbox.py)
- 5,000 RU, 400 MAU, 20,000 API calls/month
- Setup a test environment. (pytest, coverage, Travis CI)
- Analyze user activities from collected logs. (ELK, docker-compose)

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. (pytest, tox, pylint, Travis CI, Appveyor, 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 as a PoC. (Python, Flask)
- 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 bug about decoding HTML containing CJK characters

Mar. 2018

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

Mar. 2018

i18n **wtrr.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

- Aug. 2018 **Postmortem of developing opensource library** , Chatterbox.py Seoul, S.Korea
- Oct. 2017 **Urban Engineering and Python** , Speaker of Python & data topic in PyCon bimonthly seminar Seoul, S.Korea
- Jun. 2017 **Optimize target distribution center** , Analyze using Python + Jupyter + Matplotlib + Sklearn Hongik Univ
- Dec. 2016 **Location analysis for the expansion of kindergarten** , Use Python + QGIS Hongik Univ

Writing

- Feb. 2018 **Mechanism of Python GC** , Details of Python GC Blog
- Dec. 2017 **Post mortem of file on blockchain** , How I made the file on blockchain service Blog

Education

Hongik University

Seoul, S.Korea

B.E. IN URBAN ENGINEERING

Mar. 2014 - PRESENT

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

Korea Digital Media High School

Ansan, S.Korea

GRADUATE IN HACKING DEFENSE

Mar. 2011 - Feb. 2014

Extracurricular Activity

Software Maestro 8th

Seoul, S.Korea

MENTEE, BACKEND DEVELOPER

Aug. 2017 - Dec. 2017

- Make a SIGNAL service for connecting people on blockchain
- Implement backend features using Python and Flask

9XD Hackathon

Seoul, S.Korea

BACKEND, AWARDED THE HELPER, CAFE-IN PRIZE

Sep. 2017

- 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

Certificate

- 2017 **Industrial Engineer**, Information Processing MSIP
- 2014 **Open Water**, SCUBA Diver SDI/TDI/ERDI Korea