Seunghoon **Shin**

SOFTWARE ENGINEER · BACK-END

Seoul, Republic of Korea

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Summary

4+ year experience in back-end development.

Open culture of IT industry was so impressive that I started developmenting software. As I got help and inspired, I want to be a engineer who can help. Main skills are Python, django, flask, MySQL now, but I'm ready to challenge other technical skills and accomplish projects.

Skills

Programming	Python
Frameworks	Django, Flask, Scrapy, pandas
Infrastructures	AWS, Docker, MySQL
Languages	Korea(native), English(Business)

Work Experience

Kasa Korea Co., Ltd.   *Seoul, S.Korea*

BACK-END ENGINEER   *Jul. 2019 - Sep. 2021*

Kasa Service Web Server.
- Contributed project from scratch and experienced in early stages of operation.
- Implemented Authentication, Public Offering, Ledger services. Designed entity-relation and REST API.
- Django, DRF, MySQL, redis

Omnious. Co., Ltd.   *Seoul, S.Korea*

BACK-END ENGINEER   *Nov. 2017 - Jul. 2019*

Labeling Tool
- Maintained back-end of in-house web application having 50+ active users for collecting fashion data to train AI model.
    - *Docker, CircleCI, Rancher, AWS(EC2, S3, RDS)*
- Designed RESTful HTTP API, developed server serving them. Documented API specification for communication.
    - *flask, NGINX, uWSGI, Swagger*
- Established relation of domain model, designed database schema.
    - *MySQL*
- Built HTTP access logging system and pipeline to store it.
    - *fluntd, fluent-bit*
- Introduced unit testing, style guide of codebase.
    - *flake8, pytest*

Data Extraction & Transformation
- Extracted collected data to train AI model and pre-processed in a form that is easy to train.
- Automated process from data extraction to data processing, developed CLI tool to access automated data transfer system.
- *pandas, Celery*

Crawler
- Implemented 20+ web crawlers for collecting fashion images, developed a scheduling tool for management.
- Built serverless pipeline that stores crawled data in a storage.
- *Scrapy, ScrapingHub, Zappa, AWS(SNS, SQS, Labmda)*

LayGen Inc.   *Gyeonggi-do, S.Korea*

SOFTWARE DEVELOPER INTERN   *Aug. 2017 - Sep. 2017*

- Participated to manufactoring operating module for a prototype of 3D printer and developed software control the module.
- Developed GUI so that hardware engineer can test controling each part of 3D printer.
- *Python, PyQT, Rasberry Pi, Arduino*

LINE Corp.   *Gyeonggi-do, S.Korea, S.Korea*

Sᴏꜰᴛᴡᴀʀᴇ Dᴇᴠᴇʟᴏᴘᴇʀ Iɴᴛᴇʀɴ   *Apr. 2017 - May. 2017*

- Prototyped iOS application "Targeted Video" emphasizing object user want in video.
- Used technique of contour extraction, image segmentation and stabilization.
- Implemented video editing function that cuts or pastes object user selected.
– *Swift, OpenCV*

Education

BoostCamp, Connect Foundation education program   *Seoul, S.Korea*

iOS Cᴏᴜʀsᴇ   *Jan. 2017 - Feb. 2017*

- Developed iOS Application, "Color to Sound, Sound to Color! ChromaTone"
    - `https://github.com/newinh/ChromaTone`

Konkuk University   *Seoul, S.Korea*

B.S. ɪɴ Eʟᴇᴄᴛʀᴏɴɪᴄs   *Mar. 2009 - Feb. 2016*

- Graduation piece, "IOT Door Lock using Wireless Home Router & Android Device"