Seunghoon **Shin**

SOFTWARE ENGINEER · BACK-END

Seoul, Republic of Korea

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Summary

1+ year experience in back-end development. Experienced embedded, Android, iOS development as a beginner, recently worked on project related to collecting data in fashion AI company.

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, flask, MySQL now, but i'm ready to challenge other technical skills and accomplish projects.

Skills

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

Work Experience

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

BACK-END ENGINEER   *Nov. 2017 -*

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 & Tranformation
- 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 crawler for collecting fashion image, 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 mnufactoring 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*

SOFTWARE DEVELOPER INTERN   *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*

UXEnterprise   *Seoul, S.Korea*

Software Developer Intern   *Aug. 2016 - Sep. 2016*

- Prototyped Android application viewing Female biorhythm.
- Implemented connection with a measuring device using Bluetooth.
– *Java, Android*

Education

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

iOS Course   *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. in Electronics   *Mar. 2009 - Feb. 2016*

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