Hyeongrok Heo

DEVELOPER

Current working as a back-end engineer with 2 years of hands-on experience in developing flask based back-end system and managing overall service on deployment server. Interested in system automation and DevOps, and willing to learn Docker/Kubernetes based cloud system (CI/CD).

Profile & Experience

- Programming Languages: Python (preferred), C, C++
- Founded Volunteer Organization for Software Education (https://www.instagram.com/code_coach_/)
- Experience in building personal blog with Jekyll (https://hhr.kr)

Employment History

SW Developer, Autosemantics. Inc., Seoul (Technical Research Personnel)

FEBRUARY 2020 — SEPTEMBER 2021

SVMS Project (2020.02 ~ 2020.07)

- Developed IoT Edge Device based Vibration data collection & analysis system
- Developed Back-End System, Web UI Front

Boltzmann Project (2020.06 ~ 2022.01) (https://boltzmann.kr/)

- Develop Building Energy Management System (BEMS)
- Developed BACnet protocol-based building control system
- Developed Flask based web API service
- Migrate system to Kubernetes based
- Approved GS Certification (https://url.kr/fzseqv)

Education & Research

Bachelor of Science, Pusan National University, Busan

MARCH 2014 — FEBRUARY 2018

Computer Science Engineering

Master of Science, Pusan National University, Busan

MARCH 2018 — FEBRUARY 2020

Computer Science Engineering - Intelligent System Laboratory

Details

Seoul, Korea, Republic of
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https://github.com/hyeongrokheo

Skills

Python, Flask based Web Service (API Service)

Overall Linux System & Docker, Back-End Development

Relational Database (MySQL, MariaDB, MSSQL)

VCS - Git

Languages

Korean (native)

English (Limited working proficiency)

- Research about Genetic Algorithm based Scheduling (Factory scheduling automation, Air conditional control automation)
- Hyeong-rok Heo, Se-young Kim, and Kwang-ryel Ryu. "Model-based Scheduling Optimization of Heat Treatment Furnaces in Hot Press Forging Factory." KIPS, 26.2 (2019): 939-941.
- Hyeong-rok Heo. Model, GA-based Scheduling Optimization of Heat Treatment Furnaces in Hot Press Forging Factory. Thesis(Master`s course). Pusan National University. CSE 2020. 2