

JunBeom Lim

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TECHNICAL SKILLS

Languages

C
Python
JavaScript
JDBC/MySQL

OS & Software

Linux
Windows 8
Ms Word/Excel/PowerPoint

Interests

Server Management
Problem Solving
Data Structures and Algorithms

PROFESSIONAL EXPERIENCE

Shinyoung Securities Co., Ltd.

Seoul, Korea

DevOps Engineer (Dispatch Consultant)

May 2022 – Present

- Maintained the MCI (Multi Channel Interface) system that manages client access, stock order, and quote inquiry.
- Developed a shell script that can analyze the log of each client access, reducing the search steps from 4 to 1 and the search time by 25%.
- Devised load generators that can send a tpcall to OLTP (Online Transaction Processing) and link clients to the MCI system via TCP Connect; analyzed the TPS measurement results.
- Developed and tested a new transaction (TR) that requires personal information inquiry after validating a public certificate; solved the errors occurred during the test using GDB.
- Development Skills: Linux bash/shell scripting, Socket (TCP/UDP/IP) programming, Multithreading programming
- Tools: Linux Commands (ex. crontab, ps, netstat, gdb, strace, ipcs)

H2O System Technology Co., Ltd.

Seoul, Korea

Software Engineer

Jul. 2021 – Present

- Established a Commodity Trading HTS platform for small business owners using C, JavaScript, and MySQL.
- Formulated an HTS UI/UX to use JavaScript with the company's own internal software coded in C++.
- Developed transaction services that declared database I/O and queries using C.
- Formed tables in MariaDB using MySQL Workbench and inserted data information such as client users, products, addresses, etc.
- Created and inserted queries into transaction services for operate system; reduced query times to find address from 9 seconds to <1 second.

Yuanta Securities Co., Ltd (Dispatch Consultant)

Seoul, Korea

Software Engineer

Feb. 2021 – Apr. 2021

- Participated in the project to upgrade java framework in Yuanta's middleware system.
- Decomposed the java framework and drew a functional processing flow diagram and detailed description documents using MS Office.
- Upgraded java to ver. 8 using Eclipse; tested the java framework and fixed errors during the test.
- Achieved 75% decrease in the compilation time by developing options to compile only edited or added sources and commit them to the SCM (Software Configuration Management) system.

EDUCATION

Hansung University

Seoul, Korea

Bachelor of IT Convergence Engineering – Major in Intelligent Systems

Mar. 2015 – Feb. 2022

TECHNICAL PROJECTS

Hansung University

Seoul, Korea

Senior Engineering Capstone Project

Mar. 2021 – Jun. 2021

- Implemented a smart farm system that automatically controls the growing environment of crops using a webcam, which distinguishes the presence or absence of cherry tomatoes or the ripening degrees, and a robotic arm, which harvests the cherry tomatoes.
- Crawled the image of cherry tomatoes and labelling using JavaScript and Python codes; learned the ripening degree of cherry tomatoes.
- Imported TensorFlow and OpenCV as Python code with the learned module and developed an AI object detection code through webcam.
- Constructed a Python code by importing Pyfirmata that can control Arduino in a Windows environment.

Hansung Engineering Competition Contest

Jul. 2019 – Sept. 2019

- Trained a designated beach garbage such as discarded cans with an AI module.
- Taught the webcam attached to the RC car using a joystick to move freely in a specific space and discover the garbage learned through it.
- Created 3D modeling of the parts to collect beach trash, produced them in 3D printing, and attached them to the RC car.
- Operated the embedded system to collect and dispose of the garbage in a designated area when the RC car moves in a specific space.

AWARD

Fourth Place, Hansung University Engineering Competition

Sept. 2019

WORK VISA

Canada Working Holiday Visa – Open Work Permit

Apr. 2023 – Apr. 2024