JunBeom Lim

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TECHNICAL SKILLS

Languages	OS & Software	Interests
C	Linux	Server Management
Python	Windows 8	Problem Solving
JavaScript	Ms Word/Excel/PowerPoint	Data Structures and Algorithms
JDBC/MySQL		

PROFESSIONAL EXPERIENCE

Shinyoung Securities Co., Ltd.   **Seoul, Korea**
DevOps Engineer (Dispatch Consultant)   May 2022 – Nov 2022
- 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 – Nov 2022
- 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. 2022 – Apr. 2022
- 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