**Jun Beom Lim**

Address: Gimpo-si, Gyeonggi-do

Email: ljb960514@gmail.com / Phone: +82-010-5386-3777

**TECHNICAL SKILLS**

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

**PROFESSIONAL EXPERIENCE**

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| **Shinyoung Securities Co., Ltd (Dispatch Consultant)** | **Seoul, Korea** |
| ***DevOps Engineer*** | **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 tpcall to OLTP (Online Transaction Processing) and allow clients to link 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, and solved the errors occurred during test using GDB.

~~∙ Familiarity with Linux bash, shell scripting, socket (TCP/UDP/IP) programming, or multithreading development~~

~~∙ Operation and maintenance using Linux commands such as Crontab, PS, netstat, GDB, or Strace.~~

∙ Development Skills: (Familiar)Linux bash/shell scripting, Socket (TCP/UDP/IP) programming, Multithreading programming

∙ Maintaining Tools: Linux Commands (ex. crontab, ps, netstat, gdb, strace, ipcs)

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| **H2O System Technology Co., Ltd.** | **Seoul, Korea** |
| ***Software Engineer*** | **July 2021 – Present** |

∙ Developed a Commodity Trading HTS Platform for small business owners using C, JavaScript, and MySQL

∙ Created 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.

∙ Reduced query time to find address from 9 seconds to less than 1 second.

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| **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**

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| **Seoul, Republic of Korea** | **Hansung University** | **Mar. 2015 – Feb. 2022** |

∙ Bachelor’s Degree of IT Convergence Engineering – Major of Intelligent Systems

**TECHNICAL PROJECTS**

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| **Senior Engineering Capstone Project** | **Hansung University** | **Mar. 2021 – Jun. 2021** |

∙ Implemented a smart farm system that can automatically control the growing environment of crops using a webcam, which distinguishes the presence or absence of cherry tomatoes or the degree of ripening, and a robotic arm, which harvests the cherry tomatoes.

∙ Crawled the image of cherry tomatoes and labelling using JavaScript and Python codes; learned the ripeness 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.

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| **Hansung Engineering Competition Contest** | **Hansung University** | **Jul. 2019 – Sept. 2019** |

∙ Trained a specific 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 the garbage in a designated area when the RC car moves in a specific space.

**AWARD**

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| ***Fourth Place,* Hansung University Engineering Competition** | **Sept. 2019** |

**WORKING VISA**

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| **Open Work Permit** | Canada Working Holiday Visa | **Apr. 2023 – Apr. 2024** |

**PROFESSIONAL EXPERIENCE**

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| ***Software Engineer*** | **H2O System Technology Co., Ltd.** | **July 2021 – Present** |
| ∙ Developed a Commodity Trading HTS Platform for small business owners.  ∙ Created a display 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. | | |
| ***DevOps Engineer*** | **Shinyoung Securities Co., Ltd (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 tpcall to OLTP (Online Transaction Processing) and allow clients to link 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, and solved the errors occurred during test using GDB.  ∙ Familiarity with Linux bash, shell scripting, socket (TCP/UDP/IP) programming, or multithreading development  ∙ Operation and maintenance using Linux commands such as Crontab, PS, netstat, GDB, or Strace. | | |
| ***Software Engineer*** | **Yuanta Securities Co., Ltd (Dispatch Consultant)** | **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**

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| **Seoul, Republic of Korea** | **Hansung University** | **Mar. 2015 – Feb. 2022** |
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**TECHNICAL PROJECTS**

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| ∙ Implemented a smart farm system that can automatically control the growing environment of crops using a webcam, which distinguishes the presence or absence of cherry tomatoes or the degree of ripening, and a robotic arm, which harvests the cherry tomatoes.  ∙ Crawled the image of cherry tomatoes and labelling using JavaScript and Python codes; learned the ripeness 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** | **Hansung University** | **Jul. 2019 – Sept. 2019** |
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**AWARD**

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| ***Fourth Place,* Hansung University Engineering Competition Sept. 2019** |

**WORKING VISA**

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| **Open Work Permit** | Canada Working Holiday Visa | **Apr. 2023 – Apr. 2024** |