GUNHO **PARK**

SECURITY RESEARCH ENGINEER · DATA ENGINEER · BACKEND DEVELOPER

Seoul, Republic of Korea

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"Good code is its own best documentation."

Education

Information Security, Korea University   *Seoul, S.Korea*

M.S. CANDIDATE   *Mar. 2021 - Present*

- Masters coursework completed

HUFS (Hankuk University of Foreign Studies)   *Yongin, S.Korea*

B.S. IN COMPUTER AND ELECTRONIC SYSTEMS ENGINEERING   *Mar. 2015 - Feb. 2021*

Experience

S2W Inc.   *Pangyoyeok-ro, Bundang-gu,*
                                                                                 Seongnam-si, S.Korea

RESEARCH ENGINEER   *Jan. 2022 - Jun. 2023*

- Gained insights into CTI (Cyber Threat Intelligence) solutions through cybersecurity data analysis of the dark web
- On-premise DevOps CI/CD pipeline setup and testing, GitOps-based service operation automation and deployment, and provision of guidelines for MSA-based service containerization
- On-premise Elastic Search-based information gathering system development and maintenance, including internal data backup and restore solution
- Development and maintenance of the backend for a B2G search engine solution based on Spring Boot
- Korea, PAT. No. 10-2022-0189561, Online Threat Data Saving Server and Method Performing Thereof (2022. 12. 29.)
- Korea, PAT. No. 10-2022-0190122, Method of Searching Threat Data on Private Channel and Server Performing Thereof (2022. 12. 30)
- As part of an Attack Surface Management solution, I developed a Port Scanner tool and handled large-scale data processing and analysis.

Korea University, Hacking and Countermeasure Research Lab. (est. in 2010)   *Anam-ro, Seongbuk-gu, Seoul,*
                                                                                 S.Korea

MASTER'S STUDENT RESEARCHER   *Feb. 2021 - Dec. 2021*

- Conducted research in conjunction with the development of a Bert-based language model for the NLP-based CTI (Cyber Threat Intelligence) processing system (March 2021 - December 2021) in collaboration with Samsung SDS and Samsung Research.
- Development of technology for security and ultra-high-speed integrity of the next-generation internal network of autonomous vehicles (2021.04. - 2021.12.)
- PCT/KR2022/017082, Lightweight Real-Time Anomaly Detection Method Using CAN Message Analysis and Neural Network Model (2022. 11. 03.)
- Holding a competition for Vehicle Infotainment system (Automotive Grade Linux, AGL) vulnerability verification (2021. 8. - 2021. 12.)

LSware Inc.   *Geumcheon-gu, Seoul, S.Korea*

RESEARCH ENGINEER (RND GROUP)   *Jun. 2020 - Dec. 2020*

- Development of Anonymous Network Realization Technology for Copyright Protection, Korea Copyright Commission
- Development of Ransomware Blocking Recovery Technology Based on Intelligent Honeypot, Ministry of SMEs and Startups

INTERN (IT SERVICE DEVELOPMENT GROUP)   *Mar. 2020 - May 2020*

- Server security (Access Control), security vulnerability diagnostics, consistency check, and automation script operations
- Presenting a new test paradigm and implementing a demonstration environment for security verification

Extracurricular Activity

Best of the Best (BoB)   *Geumcheon District, S.Korea*

SECURITY PRODUCT DEVELOPMENT TRACK   *Jun. 2019 - Mar. 2020*

- The Cyber Security Talent Development Program, organized by the Ministry of Science and ICT and hosted by the Korea Information Technology Research Institute (KITRI), aims to address national cyber challenges. It is widely known as the "BEST of the BEST" or BoB program. BoB is considered the most influential organization in the field of cyber security in South Korea.
- Participated on a lot of hacking competition and won a good award.
- Held several hacking competitions non-profit, just for fun.