GUNHO **PARK**

CLOUD SECURITY ENGINEER · DEVSECOPS ENGINEER

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 (Feb. 2023)

HUFS (Hankuk University of Foreign Studies)	*Yongin, S.Korea*
B.S. IN COMPUTER AND ELECTRONIC SYSTEMS ENGINEERING	*Mar. 2015 - Feb. 2021*

Experience

Tatum Security	*Seoul, S.Korea*
CLOUD SECURITY ENGINEER	*Aug. 2023 - Present*

- Researched and developed cloud security solutions based on CNCF security projects using Go
- Developed CIEM (Cloud Infrastructure Entitlement Management) solution for multi-cloud environments
- Korea, PAT. No. 10-2024-0098442, Relationship generating device for multiple clouds (2024.07.25)
- Researched and developed CSPM solutions for domestic and international cloud providers (AWS, GCP, Azure, NCP, etc.)
- Implemented security compliance automation for CIS, NIST, DoD, ISO standards
- Enhanced product capabilities through direct implementation of AWS Security Hub Best Practices
- Researched and developed security solutions for hypervisor environments (VMware ESXi, vSphere, XenServer)

S2W Inc.	*Seongnam-si, S.Korea*
SECURITY RESEARCH ENGINEER	*Jan. 2022 - Jun. 2023*

- Gained insights into CTI solutions through cybersecurity data analysis of the dark web
- Implemented on-premise DevOps CI/CD pipeline and GitOps-based service automation
- Developed and maintained Elastic Search-based information gathering system
- Developed Spring Boot based B2G search engine solution backend
- Korea, PAT. No. 10-2022-0189561, Online Threat Data Saving Server and Method (2022.12.29)
- Korea, PAT. No. 10-2022-0190122, Threat Data Search Method for Private Channel (2022.12.30)
- Developed Port Scanner for Attack Surface Management and handled large-scale data processing

Korea University, Hacking and Countermeasure Research Lab	*Seoul, S.Korea*
FULL-TIME MASTER'S STUDENT RESEARCHER	*Feb. 2021 - Dec. 2021*

- Published in Journal of Cloud Computing (Sep. 2024)
  - Domain knowledge free cloud-IDS with lightweight embedding method
  - Authors: Yongsik Kim, *Gunho Park & Huy Kang Kim
  - DOI: 10.1186/s13677-024-00707-8
- Research Projects
  - NLP-based Cyber Threat Intelligence System Research (Samsung SDS, Mar. 2021 - Dec. 2021)
  - Security and Ultra-High Speed Integrity Technology for Next-Generation In-Vehicle Networks (IITP, Apr. 2021 - Dec. 2021)
  - Next-Generation Security R&D Challenge (IITP, Aug. 2021 - Dec. 2021)
- Patent: PCT/KR2022/017082
  - Lightweight Real-Time Anomaly Detection Method Using CAN Message Analysis and Neural Network Model (Nov. 2022)
- Infrastructure Development
  - Built and operated vulnerability verification and IDS development competition infrastructure for Automotive Grade Linux (AGL) infotainment systems
- Received first semester scholarship in 2021 academic year

LSware Inc.	*Seoul, S.Korea*
SECURITY RESEARCH ENGINEER	*Jun. 2020 - Dec. 2020*

- Developed Linux ransomware response and recovery automation systems
- Researched ML-based anomaly detection and anonymous network tracking
- Published at CISC-W'20: "Automated Backup LKM Against Ransomware"
- Published at KSC2020: "Malware Classification Using Deep Learning"

LSware Inc.   *Seoul, S.Korea*
SOFTWARE QUALITY ASSURANCE INTERN   *Mar. 2020 - May 2020*
- Tested security vulnerability diagnostics and access control systems
- Developed monitoring system and automated consistency check tools
- Implemented test automation scripts and improved methodologies

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.
- Conducted POS Vulnerability Analysis & Security Verification project, resulting in valuable insights shared with the Financial Security Agency.
- Held serveral hacking competition non-profit, just for fun

Certificates

2019   **Architecting with Google Kubernetes Engine**, Google Cloud, Coursera

2008   **Computer Specialist in Spreadsheet & Database, Level-2**, Korea Chamber of Commerce and Industry

2008   **Craftsman Information Processing**, Human Resources Development Service of Korea