

SUNGYONG LEE

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Starting with the development of OTA, currently conducting security-related development tasks, and have a strong sense of goal, challenge, patience, and persistence to achieve my goals.

EXPERIENCE

JULY 2021 – NOW

SECURITY DESIGN, FOUNDRY, DS, SAMSUNG ELECTRONICS

- Developed Crypto Algorithm Module
- Developed Secure Boot Solution
- Developed Test suite for Cryptography Algorithm

JANUARY 2018 – JUNE 2021

SW SECURITY TASK, SW CENTER, CTO, LG ELECTRONICS

- Developed The Uptane that Standard of Secure FOTA
- Designed and Developed Light Secure FOTA based on The Uptane
- Designed and Developed Signing/Verify Module using Opensource
- Designed and Developed IDPS based on the Iptables
- Designed and Developed Policy of IDPS Updater
- Designed and Developed IDPS based on the Open Source Suricata

FEBRUARY 2010 – DECEMBER 2017

FOTA TEAM, MC R&D LAB, LG ELECTRONICS

- Developed OMA-DM Android Application for Mobile of Sprint operator
- Developed FOTA Android Application for Mobile of Sprint operator
- Developed Test Android Application for OMA-DM, FOTA Application
- Designed and Developed Internalization of FOTA Android Application
- Designed and Developed A/B Update Project
- Developed Requirement for LG Mobile of Domestic
- Developed Test case and Unit Test for LG Mobile of Domestic
- Developed tracer from requirement to test

Activity

- LG Java Programming Certificate
- LG C Programming Certificate
- LG 6 sigma Black Belt
- Complete LG SDET training course in Carnegie Mellon University
- Samsung SW Associate Architect Certificate
- Samsung Data Science Certificate
- Samsung Programming Certificate

EDUCATION

MARCH 2003 – FEBRUARY 2010

BACHELOR, CHUNGNAM NATIONAL UNIVERSITY

Major: Computer Science (4.1/4.5)

Computer Network, Algorithm, Data Base, OS, Computer architecture,
Programming Languages....

CERTIFICATION

- Information security engineer Certification
- Data Processing Engineer Certification
- Network Manager
- Linux Master
- SCJP

SKILL

- C language
- Java language
- C++ language
- Python language
- C# language
- Cryptography
- FOTA Protocol
- Openssl (Opensource)
- Mbedtls (Opensource)
- Netfilter
- Snort (Opensource)
- OMA-DM Protocol

EXPERIENCE MAP

FEBRUARY 2010 – DECEMBER 2017

- Developed OMA-DM Android Application for Mobile of Sprint
- Developed FOTA Android Application for Mobile of Sprint
- Designed and Developed A/B Update Project
- Designed and Developed Internalization of FOTA Android Application
- Developed Test Application for OMA-DM, FOTA
- Developed Requirement for LG Mobile of Domestic
- Developed Unit Test for LG Mobile of Domestic
- Developed Test Tracer from Requirement to Unit Test

JANUARY 2018 – JUNE 2021

- Developed The Uptane that

Standard of Secure FOTA

