# SUNGYONG LEE

## mailto:sy84.lee@gmail.com

https://github.com/sy84lee 82-10-6414-8305

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

## **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

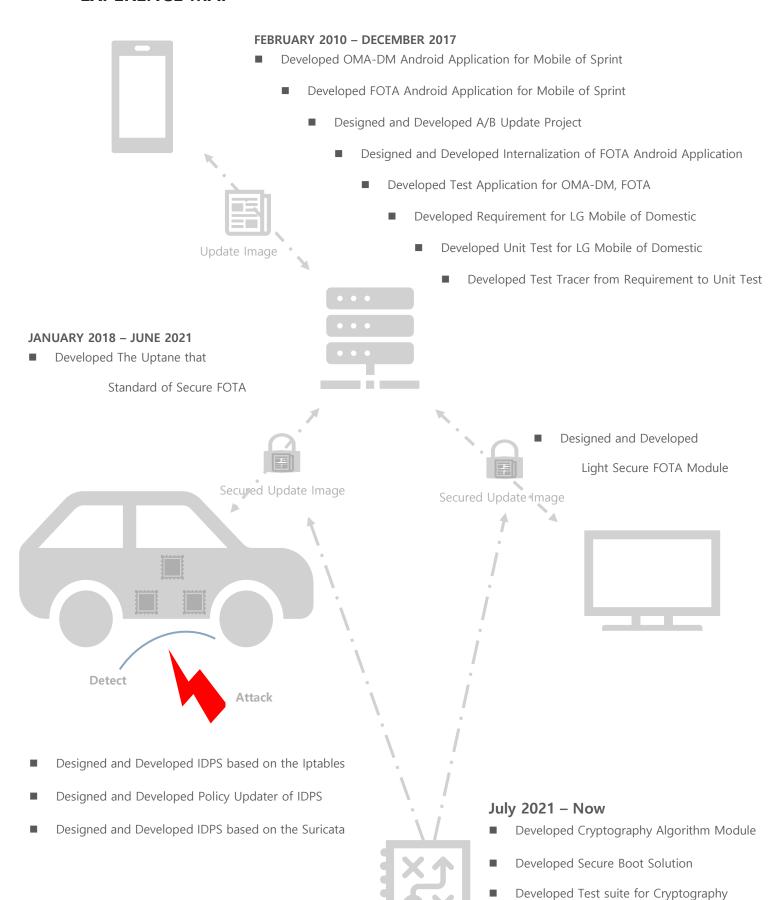
- Linux Master
  - SCJP

## SKILL

- C language
- Java language
- C++ language
- Python language
- C# language
- Cryptography

- FOTA Protocol
- Openssl (Opensource)
- Mbedtls (Opensource)
- Netfilter
- Snort (Opensource)
- OMA-DM Protocol

## **EXPERENCE MAP**



Cryptography Algorithm

Algorithm