Sungkun Yoon
Backend Developer

Address   Suji-gu, Yongin-si, Gyeonggi-do, Korea
Phone   +82-10-7372-7851
E-Mail   sk4u.yoon@gmail.com

◼ Work History 14years

Web Plaza
Seoul, Korea
Principal Engineer — Mar 2020 – Aug 2022 (2y 6m)

- Smart Factory System Management
  - ACS Server Development (Based on Java Spring Framework)
    - Designed ACS-AGV message protocol
  - ACS Maintenance and add feature
    - Added ability to load products into AGV charging stations
    - Modify AGV path and charge logic
  - Installed the ACS Server
    - AGV moving path design in Factory (Sejong, Busan)
    - Linked each AGV manufacturer to ACS.
- Assembled an AGV prototype.
  - Installation ROS in AGV and implemented a program for verify H/W.

Solu-M
Yongin, Korea
Senior Engineer — Sep 2015 – Mar 2019 (3y 7m)

- Electronic Shelf Label System
  - ESL Image Server Develop (Based on Spring Framework)
    - Developed Images create module
    - Implemented an automated DB index fragmentation improvement (MSSQL).
    - Add feature for the Layout designer
    - Development of price information parsing and update module for each customer.
  - Central ESL Server Develop
    - Add feature for the Layout designer
    - Implement entire store and individual store update function using the store code
  - To support ESL Server setup for Customer
    - Metro in Germany and Japan
    - Beer Store in North America (Central ESL Server)
    - Nonghyup, Samsung Digital-Plaza in Korea

Samsung Electro-Mechanics
Suwon, Korea
Research Engineer — Apr 2012 – Aug 2015 (3y 5m)

- Electronic Shelf Label System
  - Developed ESL 7-Segment Server (Based on C++)
    - Developed Monitoring Program for ESL Progress
    - Converting from ESL Server for Windows to Linux
  - ESL Image Server Develop (Based on Spring Framework)
    - Developed Monitoring Web UI
  - To support ESL Server setup for Customer
    - REWE in Germany (7-Segment)
    - E-Mart in Korea (Image Server)

From2	**Daejeon, Korea**
Research Scientist	Oct 2007 – Mar 2012 (4y 6m)

- Surveillance and Reconnaissance WSN (Military Project)
  - Developed Sensor Node Device
    - ◆ Developed Sensor, RTC, RF, AMP Device Driver for MCU
    - ◆ OS Porting for MCU(MSP430)
  - Sensor Data Processing
    - ◆ Sensing Data Sampling
    - ◆ Developed Stabilization of Application Task in OS and implementation of Resource Management Algorithm
- Situational awareness video transmission USN
  - Development of Linux Device Driver for the Gateway
    - ◆ Porting Linux Kernal and Making Filesystem Image for Gateway
    - ◆ Developed the video encoder, decoder, 4-channel codec control LDD (MG1264)
    - ◆ RTSP Server recompile for Gateway (ARM arch)
    - ◆ RF(CC2420) LDD Developed

◪ Education

Hanbat National University	**Daejeon, Korea**
	Mar 2006 – Feb 2008

- Master of Science in Radio Communication Engineering
  - Cumulative GPA 4.3
  - Thesis : Low Power Algorithm of ZigBee Router for Non Beacon Enabled PAN

Hanbat National University	**Daejeon, Korea**
	Mar 2000 – Feb 2006

- Bachelor of College of Information and Communication Engineering.
  - Cumulative GPA 3.86.
  - Military leave of absence from University. (Jan 2002 - Feb 2004)