

Eunkyoon Kim

Software Engineer

Technology

Career

Eunkyoon Kim

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Programming language : Golang, C, C++, WPF, Java
Tools : VS, VS Code, SVN, Perforce, Jira, Kanban, Jenkins
OS : Windows Embedded, Linux Embedded, Android
Protocols : TCP/IP, FTP, FTPS, HTTP, HTTPS

Samsung Electronics Co, Inc. / Senior Software Engineer

Jan 2016 - Dec 2019, South Korea

Samsung MagicINFO™ is a powerful content and device management solution giving businesses the ability to easily create, schedule, and play content across a signage network.

About MagicInfo Solution: [Samsung MagicINFO Solutions feature video](#)

About MagicInfo Player I: [Magicinfo Player | Digital Signage Software Solutions](#)

As a senior software engineer, I have designed, implemented, maintained the Player I of the MagicINFO solution.

Applied the CI system to the MagicInfo Player using Jenkins.

I designed and implemented a MagicInfo log management system on AWS for fault tolerance.

I Implemented a remote management protocol for Samsung TV and Samsung monitors run on an android player.

I designed and implemented an event script interface for real-time change of media after content distribution.

Samsung Electronics Co, Inc. / Software Engineer

Jan 2013 - Dec 2015, South Korea

I developed the major functionality of a digital signage player base on windows. It is a commercial media player and content management system for 24/7 environment and enterprise clients.

I Developed Contents uploader/downloader, Contents play scheduler, Content play statistics, audience measurement system by gender and age, SOAP client to communicate with the server, System updater, etc.

Samsung Electronics Co, Inc. / Software Engineer

Jan 2010 - Dec 2012, South Korea

I Built and deployed Windows Embedded OS images for Samsung set-top box. Windows XP Embedded, Windows Embedded Standard 2009, Windows Embedded Standard 7

Samsung Recovery: I developed a Windows Embedded OS backup/recovery application for Samsung set-top box.

DASH: Remote system access application for Samsung set-top box. I Developed a remote access application like VNC that could access from the BIOS level and OS level.

Samsung Electronics R&D Center / Research Engineer

Jan 2008 - Dec 2009, South Korea

As a Research Engineer, I developed two challenging and advanced projects.

I Developed a multi-core optimized algorithm for printing description language engine.

Re-constructing printing algorithm with OpenMP and these features can increase performance up to 300%(using the quad-core system)

Also, I Developed a prototype desktop memo application supports device seamless and multi-touch (C#, WPF)

Samsung Electronics Co, Inc. / Software Engineer Intern

Jan 2006 - Dec 2007, South Korea

As an internship software engineer, I developed multiple personal interesting projects.

Developed 4-legs robot for home security (C, C++, Java, Web, Linux)

Developed Armv7 emulator running on x86 windows platform for software testing (C, C++)

Developed a network intrusion detection system and a network intrusion prevention system for Windows (C, C++, WDM, NDIS)

Education

Busan University of Foreign Studies / Bachelor of Engineering

Jan 2000 - Jan 2008, South Korea

Major in Computer Engineering

Patent

Multi-touch input processing method and apparatus (us 20110163974)

About A multi-touch input processing method performed by a multi-touch input device and a multi-touch recognition apparatus.

Method and apparatus for processing image in digital printer (us 20100177356)

About Provided are a method and apparatus for processing image data in a printer.

Award

Korea Intelligent Robot Contest / South Korea (2006)

The 1st prize: BT3(Intelligent Home Service Robot) - Home security robot based on 4 legs dog.