KIM, SANG HYUN

Senior Software Engineer

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EXPERIENCE

Senior Software Engineer

Microsoft

April 2018 - Ongoing

WA. USA

• Telemetry Platform:

As a service owner, I developed features such as suppressing alerts and authorizing users. Also integrated services with MS Graph, Azure Active Directory, Azure Function App, etc.

Azure IoT:

As a developer, I developed Azure IoT reference solutions for remote monitoring and predictive maintenance.

Principal Software Engineer

Johnson Controls

October 2015 - March 2018

Q California, USA

Johnson Controls IoT Cloud Service:

As a technical leader, designed and developed SaaS for IoT (web services, databases, real-time message processing, CEP rules, Search engine). The platform is a SOA-based, multi-tenant, IoT cloud platform that will receive 100 million messages per day.

• Microsoft Risk Management Cloud Service:

As a key engineer, designed and developed Complex Event Processing cloud service that analyze correlation of messages from n millions of devices and detect threats in real-time using rules engine.

Principal Software Engineer / Architect Cisco Systems, Inc.

🛗 January 2005 - October 2015

♀ United Kingdom & USA

• Cisco Video Cloud Platform:

As a development team leader, designed and developed Android tablet and phone applications that have magazine style UI, Black & White video, Google statistics, On demand video play, and TV Guide in a short time. (6 months with 3 engineers)

• Cox Back-end System:

As an architect, designed entire Cox back-end system from scratch that hugely improved maintainability of Cox video broadcasting system. Cox back-end system includes ingesting TV guide from 3rd party, live and on-demand video streaming, TV Guide and Search, Recommendations etc which services n million subscribers.

• Cox & Comcast X1 Platform:

As an architect, delivered design with Cox & Comcast design team that reduces operation cost for Cox by integrating Comcast X1 platform and Cox back-end system.

• DirecTV & Cox Set Top Box:

As a key developer, developed multi-room DVR, parental control, PPV, and many features for set-top box applications that was targeting to n millions of subscribers.

HONORS

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Cisco CEO Award in 2010

Awarded by successfully delivering Cox multi-room DVR project as a key engineer



Cisco CEO Award in 2006

Awarded by successfully delivering DirecTV DVR project as a key engineer



Cisco Application Contest 2nd place

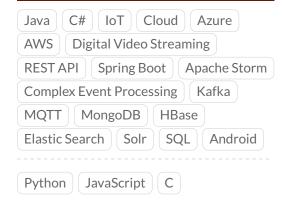
Awarded 2nd place from Cisco Application Contest Worldwide with Parental Control Android Application



Developer Conference Presenter in Monaco

Selected as a presenter at Cisco Developer Conference in Monaco with JSON Web Token topic

STRENGTHS



EDUCATION

M.S. in Computer Science University of Southern California

August 2014 - December 2017

B.S. in Information and Communication

Korea Univ. of Technology and Education

March 1995 - February 2003

Software Engineer

Hyundai Digital Tech

🛗 January 2003 – January 2005

♀ South Korea

• Korea Digital Broadcast Set Top Box:

As a key engineer, developed device drivers, OS porting, and managed a software release. a team delivered high quality products in short time including first HD set-top box in South Korea (3 months with 4 engineers)