Heejune **Kim**

SOFTWARE ENGINEER · EXPERIENCED DEVICE DRIVER DEVELOPER

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Experience

Kakao *Pangyo, S.Korea*
SOFTWARE ENGINEER *Sep. 2016 - Present*
- Returned to the KakaoTalk team.

Ascan(Start-up) *Seoul, S.Korea*
LEAD SOFTWARE ENGINEER *May. 2015 - Aug. 2016*
- Developed a Chromium based Desktop WebApp including Shell Extensions using CEF, Boost, XMPP, AngularJS for file sharing & version management.
- Wrote Python and Batch scripts automate the full build, packging and deployment cycle running on Jenkins.
- Improved Software Quality and Responsiveness dramatically by adding Task based C# Asynchronous and Parallelism implementation for C# project.

Kakao *Pangyo, S.Korea*
SOFTWARE ENGINEER *Feb. 2014 - Apr. 2015*
- Joined to the KakaoTalk messenger for Windows Desktop product team and developed various features such as Accessibiilty support, UI, updater and security enhancement.
- Developed backends with ASP.NET/Flask & mongodb stack for internal use.

Microsoft *Seoul, S.Korea*
SUPPORT ENGINEER *May. 2011 - Jan. 2014*
- WDK/SDK Developer Support. Provided development consulting & advisory services for customers with troubleshooting and extensive debugging.
- OEM/Embedded Products Support. Also helped customers to build their software and hardware for Windows Embedded products including Windows Mobile, Windows CE, PosReady, and etc.

DevGuru *Seoul, S.Korea*
SENIOR SOFTWARE ENGINEER *Nov. 2009 - Mar. 2011*
- Developed a QMI network device driver and its user library for Verizon Pantech UML290 4G LTE USB Modem.

AhnLab *S.Korea*
SOFTWARE ENGINEER *Sep. 2003 - Feb. 2006*
- Developed a Filter Device Driver and User Modules which provides real-time monitoring via kernel/user hooking (API & SDT) for an Anti-online game hacking product to protect system from illegal behaviors.
- Researched hacking issues, debugging and Windows internals to design and implement products.

Security Wizard *S.Korea*
SOFTWARE ENGINEER *Feb. 2001 - Jun. 2003*
- Implemented a personal firewall engine for driver control and firewall rule management including LSP filtering module, NDIS TDI Device Driver for Win9X, and NT.

Education

Kangwon National University *Chuncheon, S.Korea*
B.S. IN COMPUTER ENGINEERING *Mar. 1999 - Aug. 2009*

Skills

Programming Languages	C/C++, C#, Python, Javascript
Tools	WinDBG, Visual Studio, Emacs
Languages	Korean, English

Presentation

Microsoft TechDays 2015

PRESENTER FOR <VISUAL STUDIO 2015 DEBUGGING TECHNIQUES>

Seoul, S.Korea

Oct. 2015

- Introduced Visual Studio 2015 new debugging features with live debuggins session

TechDays mini

PRESENTER FOR <BETTER WINDOWS PROGRAMMING WITH C++11>

Seoul, S.Korea

Jun. 2014

- Presented new C++11 techniques which will make Windows developers life easier.

Microsoft Melting Pot Online Seminar

PRESENTER FOR <PYTHON DEVELOPMENT WITH PTVS>

Microsoft Virtual Academy

Nov. 2014

- Walkthrough PTVS HOWTO

Writing

Windows Debugging via WinDBG

CO-AUTHOR

S.Korea

Jul. 2009

- Wrote chapters about basic assembly language, memory layout etc.