BYEONGCHAN GWAK

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# OVERVIEW

Deputy General Manager in the IT Service department with 15+ years of experience, with hopes of strengthening KSD's information security systems within public service in the future. Selected as a sponsorship trainee in recognition of my contribution to the development of Electronic securities issuance system (e-SAFE) and Electronic voting system (e-Vote), and automation of securities issuance. Skilled in enterprise architecture, programming methodologies, and industrial standards.

# Education

POHANG UNIVERSITY OF SCIENCE AND TECHNOLOGY (POSTECH) Pohang, Korea

**Bachelor of Science in Computer Science and Engineering** March 2000 – February 2008

* Scholarship student for the second semester of 2006
* Student representative of Computer Science Department in 2006

# professional Experience

KOREA SECURITIES DEPOSITORY (KSD) Seoul, Korea

*A special public entity and the only Central Securities Depository (CSD) in Korea. Manage and supervise a wide range of securities-related business activities, including issues, deposits, clearance, settlement, and entitlement processing.*

**Deputy General Manager, *IT Service Department*** September 2019 – Present

* Maintaining KSD’s several systems, which generates annual fee revenue of USD 200 Mil.
* Maintenance of e-SAFE(Electronic Securities Issuance), e-Vote(Electronic Voting System), CrowdNet(Public Funding Service)

**Deputy General Manager, *e-Securities Development TF*** November 2016 – September 2019

* Participated in establishing e-Securities system (budget: USD 50 Mil. member: 40 KSD employees and 166 external personnel); contributed to improving efficiency and security by digitalizing all securities related works
* Participate as a selected employee out of a total of 500 employees
* Led over 20 developers as a leader of the securities issuing team
* Analyzed, designed, developed, and led testing of application programs
* Created basic data by digitalizing overall securities according to the related regulations
* saved USD 13 Mil. from overall fee in 2019

**Manager, *e-Vote Development TF*** March 2014 – November 2016

* Developing a Web Voting System for shareholders
* Korea's first and only general shareholders' voting system
* More than 75,000 individual shareholders participated in voting in 2020

**Assistant Manager** November 2007 – March 2014

* Responsible for the operation and distribution of SAFE, a new securities issuance system
* Over 7 years of maintenance on the securities issuing system
* Developed batch program call services to automate repetitive manual tasks
* Developed several systems to manage corporate rights schedules

NAMO INTERACTIVE Seoul, Korea

*IT Company; provides #1 Web page editor in Korea, Mobile game provider*

**Software Developer** November 2004 – January 2006

* Mobile phone game development and release
* Converted existing game sources (C++, Java) into WIPI platform to release games to carriers like STK, KT, LG
* Supplied several self-developed mobile games to carriers

DONGBANG LIGHTECH Seoul, Korea

*IT Company; provides Automatic Chinese character recognition solution*

**Software Developer** January 2004 – November 2004

* Maintenance of high-speed processing system for automatic recognition of old document images
* Improved the system so that Chinese characters that the computer cannot clearly recognize can be entered separately

JUNGWOO SYSTEM Seoul, Korea

*IT Company; provides system integration*

**Assistant Software Developer** September 2002 – December 2003

* KEPCO(Korea Electric Power Corporation) system maintenance
* TIMS, KEPCO's subscriber management system, system maintenance
* TGIS, KEPCO's CAD management system, system maintenance

# LanguageS and Skills

* Languages: Korean (Native), English (Fluent)
* Programming Languages: C, C++, C#, Java, Python, PHP, SQL
* Technology: Data Modeling, Enterprise Application Design, Struts Framework, Object-Oriented Programming, Event-Driven Architecture, Service-Oriented Architecture, AJAX
* Environments: Windows, Linux (RedHat, Ubuntu), Unix (Solaris, AIX, FreeBSD), Cygwin, Oracle, MS SQL, MySQL, WebLogic, .NET Framework

# MISCELLANEOUS

* Selected for Full-Time IT Master’s Degree Sponsorship (only one out of 650 eligible employees) (2020)
* Awarded the Best Practice Award by the President of KSD (2016)
* Participated in rock band Club STEELER as a bassist and experienced numerous stage performances