Jun-Hyeon Song

Address: 14, Eunhaeng-ro, Yeongdeunngpo-gu, Seoul, Korea

📞 (+82) 10-9376-7759 / ✉ songjh@kdb.co.kr / 🌐 jhsong.me

PROFESSIONAL SUMMARY

IT & Digital strategy manager at KDB responsible for strategy development and implementation of IT projects that support South Korea's industrial sectors through national funding initiatives, overseeing an annual budget of approx. USD 97M.

EDUCATION

Seoul National University (SNU) Graduate School   **Seoul, Korea**

AI Specialist Training Program Certificate (Non-degree)   Apr. 2022 – Jul. 2022

Department of Interdisciplinary Program in Artificial Intelligence

- Completed courses in Statistics, Machine Learning, Deep Learning, NLP, ML Performance, Time Series, XAI, etc.

Konkuk University   **Seoul, Korea**

B.S., Computer Science & Engineering, College of Information & Communications   Mar. 2006 – Feb. 2013

- CGPA: 4.28/4.50 (Major GPA: 4.43/4.50)
- Relevant Coursework: Programming, Calculus, Linear Algebra, Probability & Statistics, Data Structure, Algorithm

PROFESSIONAL EXPERIENCE

Korea Development Bank (KDB)   **South Korea**

South Korea's leading governmental financial policy institution, established in 1954, to maintain and enhance the national economy through industrial projects with assets of approx. USD 229B and annual funding of around USD 66B.

Senior Manager, IT & Digital Strategy Development and Risk Assessment   Jan. 2022 – Present

- Developed and directed AI transformation strategy, implementing a GPT model tailored to corporate finance using lightweight open-source LLMs (e.g., Google Gemma, Yanolja EEVE) specialized for Korean language processing.
- Established mid- to long-term strategies for digital transformation, reducing work hours by 30,000/year via Robotic Process Automation; executed a search system integrating various business data into a single searchable platform.
- Managed/optimized IT governance and coordinated teamwork for efficient executions of AI-driven IT projects.
- Analyzed IT risk of approx. 60 large-scale IT development projects annually with a total budget of USD 97M.

Manager, KDB Global Integrated System Development   Jul. 2019 – Jan. 2022

- Spearheaded a global standard banking system reconstruction project valued at USD 43M.
- Operated Java framework-based KDB Integrated Network System (KINS) that integrates multiple overseas local accounting standards, used by 18 branches across 12 countries.
- Streamlined the calculation performance of global management information and reporting systems by tuning SQL within batch programs and restructuring the DBMS partition, resulting in a 50%+ reduction in batch execution time.
- Developed new systems to support the establishment of new overseas branches in Silicon Valley and Hong Kong.

Assistant Manager, IT System Architect   Feb. 2013 – Jul. 2019

- Engaged as the second decision-maker in the KDB Next Generation Banking System Project, valued at USD 200M, contributing to the design and implementation of optimized IT infrastructure architecture covering 156 systems.
- Implemented a predictive failure and incident detection system that integrates independent system monitoring tools, normalizing data from 3.6M system logs generated annually and applying Long Short-Term Memory (LSTM).
- Augmented the performance of IT infrastructure systems, including servers, databases, middleware, etc.

ADDITIONAL EXPERIENCE

Professional Membership:

Financial IT Forum, KFTC (Korea Financial Telecommunications & Clearings Institute)   Feb. 2022 – Present
- Participate in policy/legal research, information exchange, and domestic/international standardization activities involving 20 domestic banks (Bank of Korea, etc.) and 9 IT companies (Oracle Korea, etc.)

Internships:

Samsung Electronics Mobile Communication Business   Jan. 2012 – Feb. 2012
- Developed and analyzed Android kernels and file systems (JFFS2, YAFFS).

IBM Korea Software Research Center   Jul. 2011 – Aug. 2011
- Developed a Java framework-based rule engine in healthcare systems.

Overseas Research in San Francisco, CA

University Student Research Support Program sponsored by the Ministry of Gender Equality and Family   Jul. 2010
- Researched cloud computing and virtualization technology, focusing on large-scale distributed processing.
- Conducted onsite HQ visits, research, and interviews with Google, Apple, Intel, IBM, Cisco, eBay, etc.

AWARDS & SCHOLARSHIPS

KDB Overseas Master's Degree Sponsorship
- Selected as one of six employees from ~3,400 based on exceptional performance and achievements for a highly competitive sponsorship program to nurture data science specialists and global financial leaders.
- Covers up to USD 60,000 annually for tuition and USD 19,000 for health insurance and living expenses, in addition to annual salary (approx. USD 81,000 in 2023) during the study period.

Chairman's Award for Excellent   Jan. 2021
- Awarded to only one individual per KDB department for outstanding performance during the fiscal year.

Chief Information Officer's Award for Excellent   Oct. 2019
- Awarded for significant contributions to the KDB Next Generation Banking System Project.

Undergraduate Scholarships:

Young-Ju City Talent Development Scholarship   Apr. 2011
Academic Excellence Scholarships for 5 semesters   Aug. 2009 – Aug. 2012
Cornerstone Scholarship   Dec. 2009

PROFICIENCY IN SKILLS

Programming: Python, Java, C, SQL (Advanced); C++, C#, Shell, VHDL (Intermediate)
Languages: Korean (Native); English (Advanced)

EXTRACURRICULAR ACTIVITIES

President, KDB Employee Futsal Club (K-FC)   Jan. 2015 – Present
Regular Member, KDB Employee Baseball Club (KDB Money Ball)   Mar. 2013 – Present
Volunteer, Mary's Dream Hill, Seoul, Korea   Feb. 2016 – Mar. 2017
- Provided IT equipment and other facility support; organized cultural sharing events for underprivileged children.

Military Service:

Capital Corps Headquarters, Republic of Korea Army   Jan. 2007 – Jan. 2009
- Served as Server Manager for the Army Tactical Command Information System (ATCIS) using IBM AIX OS; implemented and optimized server infrastructures to ensure the integrity and security of military operations.