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| **Cheol Hwang** | 🏠 Wisconsin, USA  📞 414-439-9310  📧 [joel.c.hwang@gmail.com](mailto:joel.c.hwang@gmail.com) | ✅ Permanent US Resident  💬 English, Korean (Native)  📄 <https://joel-hwang.github.io/Resume> |

**Profile**I like to solve problems. When I encounter a problem, I consider various possibilities, learn the skills I need, and produce results. I also like to collaborate with my colleagues and grow together.

****Work Experience**

*Changshin INC*, ​ ​2020-2023​

**Document Digitalization ​**​— C#, SQL  
I directly **proposed** the development of an add-in for MS Excel for the company's document digitalization. I was responsible for **system** **design**, **development (fullstack), data interface,** and **maintenance**. Not only did it create accurate documents, but it also reduced the writing time through the program. Developing in the way I suggested saved the company about $230,000 in budget.  
[Sample video](https://joel-hwang.github.io/Resume/profile/addinsample.mp4)

**Graph Tool** **Customization** — Java, Javascript, SQL  
By customizing the open source draw.io and linking it with the legacy system, users can easily and efficiently create diagrams. I was responsible for **database design**, **development (fullstack)**, and **maintenance**.  
[Sample video](https://joel-hwang.github.io/Resume/profile/drawiocustom.mp4)

**R&D System Maintenance** ​— C#, Javascript, SQL  
I analyzed the work so that users could perform their work effectively. By deriving the optimal workflow and having their work done through the IT system, it aligned with the company's interests. I **customized** and **maintained** the system used by researchers in the R&D Department.

*Sejung INC*, ​2019-2020

**KPI Management** ​— Blockchain, Jquery, NodeJS   
I was in charge of the **system design** and **development (fullstack)** of the KPI management system. Asymmetric encryption technology was used to protect personal performance information. **Blockchain** was used to increase data reliability.  
[Sample video](https://joel-hwang.github.io/Resume/profile/kpi.mp4)

**Online Shopping Mall**​ — Blockchain, NodeJS   
I developed a **blockchain** module to store product information and payment data in an online shopping mall system. I was also in charge of the **backend** module that enables linkage of blockchain data.

**Devops Toolchain** ​— Docker, Shellscript  
I developed a **ShellScript** that can install Gitlab, Redmine, and Jenkins to which the company's policy is applied at once with **Docker**. In addition, I was in charge of solution training, such as how to connect to the IDE, how to use CI/CD, and how to manage issues so that the company's developers could use it.  
[Sample video](https://joel-hwang.github.io/Resume/profile/gs25ci.mp4)

**Company Homepage** ​— Java(spring), jQuery  
In the company website renewal project I was responsible for the **system design**, **development (frontend, backend)** and **maintenance**.  
[Sample video](https://joel-hwang.github.io/Resume/profile/sjinc.mp4)

  
*LG CNS*, ​2013-2018​

**Intranet Portal System ​**​— Java(spring), C#, Jquery, SQL  
I was a developer in the intranet portal system renewal project. I was in charge of the organization chart, employee information, and collaboration space modules with **frontend**. Additionally, I was in charge of synchronizing employee schedule information with MS Outlook with **backend**.

**ATM System Maintenance** — C#, Java, Javascript, SQL   
I was in charge of the PDA program and web application needed for ATM production. We applied the user's requirements to the system and analyzed the workflow to suggest a better direction.

**Postal Logistics System** — C#, Java, Javascript, SQL   
While participating in the development of the postal logistics system, I developed the PDA module and was also responsible for the related backend module.

**Education  
Chonnam National University, ​**South Korea ​

MAR 2006 - FEB 2013 ​— *Computer Engineering*

**Award  
Best Employee of the Year** Jan 2023​ — *Changshin INC* **3rd Place, Algorithm Competition** Jan 2018 ​— *LG CNS*

**Skill  
Front-End**: C# (Winform), Javascript, HTML/CSS  
**Back-End**: Java, C#, NodeJS, Docker, Linux Shell Script  
**SQL**: Oracle, MSSQL, Postgresql, MariaDB, CouchDB  
**Blockchain**: Go  
**Domain**: Manufacturing (ATM, Shoes), Intranet System