

**Name: Cheol, Hwang**

**Position: Centric Software Technical Consultant**

**Gender: Male**

**Date of Birth: May 28, 1987**

**Address: Busan, Republic of Korea**

**Military Service 2007. 04 ~ 2009. 05**

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| **EDUCATION**  **Chonnam National University, ​**South Korea ​MAR 2006 - FEB 2013​— *Computer Engineering*  **EXPERIENCE** |
| **Changshin INC, ​**South Korea ​2020.05 – PRESENT​— ​*Software Engineer*  **Sejung INC, ​**South Korea​ 2019.03 – 2020.05​— Enterprise Blockchain Software Developer  **LG CNS, ​**South Korea ​2013.01 – 2018.05​— ​​*Software Engineer*  **PROJECTS**  **Deliverables Digitalization ​**AUG 2021 - PRESENT​— MS Office Add-in (C#)  Currently developing deliverables (MS Office) digitalization application by using MS Office Add-in Tools (VSTO). The application connected with the **PLM** system. It helps users to make better deliverables like reducing typo and repetitive tasks. Also reformatted document data to allow interfacing with other legacy systems and database storage for data driven decisions.  **Product Lifecycle Management ​**MAY 2020 - PRESENT​— ARAS Innovator (C#, MSSQL)  Developed Product managing Applications by using ARAS Innovator (PLM Solution). Configurated and customizing the solution to make it fit to Shoes industrial companies. Analyzing workflow, data structure and communicating with shoes engineers to make better application.   1. Data Interface between PLM and ERP AUG 2020 – PRESENT Developed data interface module between ERP system (Oracle database) and PLM system(MSSQL database). Developed Restful API of PLM system to let the ERP system retrieve PLM data. And developed module of PLM to retrieve the ERP system data by Openquery because the systems use different DBMS. 2. Private CAD program Connector JAN 2022 – MAR 2022 Developed CAD connector to PLM. Changshin uses a private CAD program by the client(Nike). The cad program is not public so there is not a cad connector in the PLM solution(Aras Innovator). I found the users can save the cad file as dxf file format. I also found an open source javascript module named dxf.js to parse the dxf file. I implemented this dxf.js module in the PLM solution. So after users upload the dxf file from the cad, the system can parse the file and then make BOM, save the cad Image and material data to purchase tooling. 3. Office file preview Engine AUG 2021 – DEC 2021 Developed a preview engine of MS office for users can see the preview in PLM directly. Developed a queue system in the plm server. This queue detect the uploaded files and convert the files to pdf format to print pdf file on the web browser. 4. System education platform**​** NOV 2021 – DEC 2021 Developed PLM education platform to make users can learn about PLM easily. The U.I is like Netflix or Youtube to be familiar the users. Also support English, Korean subtitles for abroad users(Vietnam, Indonesia). 5. Draw.io Connector in PLM**​** APR 2021 – AUG 2021 Customized Draw.io (open source based drawing graph tool) to connect the PLM system. It is used by the modules that needs drawing graphs with PLM data. 6. Editor.js Connector in PLM**​** SEP 2020 – OCT 2020 Customized Editor.js (open source based text editor) to connect the PLM system. The PLM system has just simple text editor (text area in html). After developed this connector, Users can make better text format like font color, size, align. 7. Standard time analyze program **​**MAY 2020 – JULY 2020 There is a time(second based) data excel file with over 30 sheet. It express the every processes to manufacture a shoe by seconds. To analyze the time data, I developed a program that parse the excel sheets to save in the database. Now users can analyze which process is wasting time or could be better by comparing models. It makes better profit for the company. |

**Ship Store Market System ​**MAY 2019 - FEB 2020​— NodeJS, ​Hyperledger Fabric (GO, Couch DB)

Developed Market Data management system by using Hyperledger Fabric (Private enterprise blockchain). Also developed Server application by using NodeJS. Developed REST API to send data in the blockchain network and save the market data to the blockchain network.

**DEVOPS TOOLCHAIN** ​MAY 2019 - AUG 2019**​— ​**Docker, CentOS7   
Made standard rules and developed shell script to install the solutions for Software engineers. Chose docker base open-source solutions like Issue Tracker (Redmine), Git (GitLab), CI/CD(Jenkins). Those solutions connected with IDE (Eclipse, Intelli J) and educated to the engineers how to use them and better way for work.

**Enterprise Portal System ​**JUN 2017 - 2018​— ​*Java (Spring Framework), JavaScript (jQuery), MSSQL*

Developed and managed this system which includes scheduling, room assignments, and the ability to search for client information and interface with other business applications.

**Product Lifecycle Management (ATM Manufacturing Legacy system)** ​ JAN 2015 - JUN 2017​ ​— C#, ​*Java, JavaScript, Oracle*

Managed system for manufacturing ATMs which includes ability to manage BOM (Bill Of Materials), Product, confirm quality and quantity, and upload schematics

**Introduction**

I like to solve problems even though they are difficult to solve. Also, I like to learn new computer technology and share the knowledge. It helps to analyze the problem with various ways and it is useful to find the best solution.

Additionally, I am good at making abstract content concrete. Lots of people in various industries don’t know how to express their needs well. It is because they are not familiar with IT systems. For that, I know what I should ask to make their needs more concrete. To align their needs with what I understand, I always make a prototype to make sure that is really what they want. It uses more time than just conversation, but it makes sure the project goes the right way.

This is my strength – I look forward to supporting Centric Software in this way.

Thank you

**COMPUTER LANGUAGES**

JavaScript

Java

C#

SQL

**LANGUAGES**

English ( Business Communication )

**Award**

**Code Monster (Algorithm Competition) ​**AUG 2018 ​— LG CNS

