**Cheol Hwang (Joel)**

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**EXPERIENCE**

**Beckman Coulter Diagnostics, USA | Enterprise Software Developer 11/2023 – Current**

* Customized Documentum solution to address recurring Watermarked PDF issues, resulting in a **40% reduction in user ticket** issuances.
* Developed an HTML-based email file permission management system, reducing permission request-related tickets by 80%.
* Improved file download algorithm of legacy systems based on the solution, contributing to a **60x performance enhancement** from 6 seconds per download to 0.1 seconds per download.
* Developed a program to **transfer 60 million files** to cloud storage, contributing to the migration to a new system.

**Changshin (NIKE OEM), South Korea | PLM Software Engineer 05/2020 – 05/2023**

* Developed plugin programs utilizing Project Lifecycle Management solutions to enhance user system usage. (**MS Office Addin, Adobe illustrator plugin, Rhino 3D plugin**)
* Spearheaded a document management project, prioritizing user-centered design. Innovated the document sharing process and **cost savings of $240,000** through in-house development.
* Implemented continuous deployment, automated testing, and code review processes, fostering a collaborative culture with team members, and contributing to improved quality standards.
* Enhanced the performance of a REST API for parsing complex Excel file contents. Analyzed bottlenecks, implemented caching, resulting in a **90% reduction in processing time**.

**Sejung, South Korea | Blockchain Software Engineer 04/2019 – 05/2020**

* Developed scripts to install DevOps tools (Gitlab, Redmine, Jenkins) on Linux, contributing to software management and quality enhancement.
* Developed a blockchain based KPI management program, overseeing the data encryption process and contributing to the creation of a reliable competency assessment program.

**LG,South Korea | Software Analyst 01/2013 – 08/2018**

* Analyzed http requests to identify system bottlenecks. **Improved performance by over 50%** through query tuning and data caching for enhanced efficiency.
* Maintained ATM management system, handling tasks from requirement analysis, design, development, debugging, refactoring, and deployment for uninterrupted system operation.
* Developed a software for continuous deployment, **reducing the potential for human errors** in the deployment process and disseminating it to colleagues.

**SKILLS**

Java (Spring), C# (.Net Framework), Go, JavaScript (jQuery, NodeJS, React), Oracle, MSSQL, NoSQL

**EDUCATION**

**Bachelor’s Degree, Computer Engineering 02/2013**

Chonnam National University, South Korea

**CERTIFICATIONS**

* **AWS Knowledge: Cloud Essentials**, AWS **2023**

**AWARDS**

* Best Employee of the year, Changshin INC **2023**
* 3rd Place, Algorithm Competition, LG CNS **2018**