

About me

Throughout the past one year working on web development environment, I did gain valuable hands-on experience. I have been actively involved in writing code, debugging, and problem-solving across various projects, focusing on data management and visualization for trend analysis and enhancing production processes. My work includes gathering and incorporating client feedback to refine features, ensuring that solutions are both functional and user-friendly.

Work experience

SK Materials Inc.

Jun 2023 – Now

- Software Developer
- Developing and maintaining company usage system from scratch.
- Collecting and reflecting feedback from clients.

Programming Skills

FrontEnd:

- Experienced in building responsive and interactive web UIs using JavaScript frameworks (AJAX, Bootstrap, jQuery).
- Skilled in designing and consuming RESTful APIs to connect front-end applications with back-end services for data retrieval and updates.
- Enthusiastic about constructing data structures for effective data visualization.
- Familiar with tools for data visualization such as DataTables, ChartJS, and jqPlot.

BackEnd:

- C#:
 - Strong understanding of **Object-Oriented Programming (OOP)** principles in C#, enabling the creation of modular, reusable, and maintainable code.
 - Skilled in **MSSQL** database connectivity, including executing queries, interacting with stored procedures, and performing CRUD operations.
 - Familiar with building and managing components within **ASP.NET MVC architecture** to structure web applications with clear separation of concerns.
- MSSQL
 - Proficient with a focus on designing and managing database tables.
 - Experienced in writing **stored procedures** and **functions** to efficiently retrieve and manipulate data.
- Git
- Java, MySQL

Ngoc-Dung Nguyen | Elyn

Projects

➤ BEOS – Battery Evaluation and Operation System

July 2023 – September 2023

Description	System for users to submit approval forms, request battery testing, and manage battery provision workflows.
Role	Main Developer
Responsibility	<ul style="list-style-type: none">• Build and manage web pages for client-side activities including form creation, data retrieval, data visualization, and CRUD operations.• Designed and developed RESTful APIs.• Authored and optimized complex stored procedures to enhance data retrieval and manipulation efficiency.• Developed a Windows Service application for sending automated emails based on predefined triggers.

➤ MDW – Manufacturing Data Warehouse System

September 2023 - Now

Description	Designed to monitor real-time production data, inventory levels, and detect anomalies in manufacturing processes. The system provides data trend monitoring, helping to optimize decision-making and operational efficiency.
Role	Co-Developer
Responsibility	<ul style="list-style-type: none">• Visualized real-time data processing for production monitoring and fault detection.• Implemented real-time trend data analysis to enhance decision-making.• Improved efficiency between the web UI and database for seamless data handling.• Developed an alert system to promptly notify users of critical production events.

➤ ADMS – Analysis Request Management System

March 2023 – July 2024

Description	Developed to streamline the management of analysis requests, reducing reliance on traditional Excel-based workflows. The system enables managers to efficiently track, view, enhancing overall request handling and improving visibility throughout the process.
Role	Main Developer
Responsibility	<ul style="list-style-type: none">• Implemented role-based display to ensure only users with suitable authority access specific features.• Handled buttons and modal displays tailored for each user's interaction.• Managed uploaded files for seamless data storage and retrieval.• Visualized request status figures for better tracking and analysis.

➤ **SCM – Supply Chain Management System**

August 2024 - Now

Description	Developed to streamline the management of analysis requests, reducing reliance on traditional Excel-based workflows. The system enables managers to efficiently track, view, enhancing overall request handling and improving visibility throughout the process.
Role	Main Developer
Responsibility	<ul style="list-style-type: none">• Read and processed extensive sales, prediction, and practical performance data.• Developed complex data structures to efficiently manage and display large datasets, including client, product, and stock information.• Visualized data in tables and charts, ensuring clarity and usability despite the volume and complexity of the information.• Developed a Windows Service application for calculating stock depletion points, ensuring timely alerts and inventory management.

Soft skills

Problem-solving: Demonstrated developing and optimizing stored procedures to handle complex tasks.

Communication: Effectively explain complex IT concepts and technical definitions to clients, ensuring clear understanding and smooth project execution.

Teamwork: Collaborated effectively with others team members to maintain and enhance web-based systems.

Critical thinking: Analyzed complex data trends to identify inefficiencies leading to process improvements and reduced downtime.

Education

Cheongju University

Bachelor of Global Administration, 4.06/4.5

Cheongju, Korea

2019.03 – 2023.02

Languages

Vietnamese: Native

Korean: Fluent, able to explain complex IT concepts to clients.

English: Proficient in understanding technical documents and active listening; capable of daily conversation and technical explanation with preparation.

German: Basic proficiency in daily conversation.