SOYOON PARK

SOFTWARE ENGINEER

DETAILS

ADDRESS
Seoul
Korea, Republic of

PHONE
+82 10 5059 1655

EMAIL
soyoon.park.1655@gmail.com

LINKS

LinkedIn

GitHub

SKILLS

Java, Python, TypeScript

MySQL

Spring Boot, NestJS

AWS S3, EC2

Docker

PROFILE

Well-versed in web development frameworks such as Spring Boot and NestJS and skilled in design and implement RESTful APIs that enable efficient communication.

PROJECT

1. Backend & DevOps, Mindspace

Sep 2023 — Nov 2023

Mindspace

Web service for visualizing the correlation between keywords and guiding the direction of learning using a node-based connection graph.

Technology stack: Nest.js, Typescript, Jest, AWS S3

- **Upload files to AWS S3 using NestJS and Multer** GitHub**,** Medium
- **Unit testing with Jest** GitHub

2. Backend & DevOps, Mindspace: Previous Version

Mar 2023 — Aug 2023

Web service with the same concept as Mindspace, implemented using Spring Boot.

Technology stack: Spring Boot, Java, Lombok, Spring Data JPA, Gradle

- **Building RESTful APIs with Spring Boot** GitHub
- **Separating Business Logic from Data Access Layer with The Repository Pattern**
- **Validation and Exception Handling** GitHub

3. Data Analysis & ML, Predicting Semiconductor Pump Failures Using Machine Learning

Jul 2022 — Aug 2022

Project for Utilizing Machine Learning Libraries to Predict the Fault Status of a Semiconductor Pump Over a Specific Period.

Technology stack: Anaconda/Jupyter Notebook, Python, Scikit-learn, Matplotlib, Pandas

- **Data Preprocessing in Data Mining**
- **Evaluate the performance of each model using the Confusion Matrix, Recall, and Precision**
- **Analysis of Each ML Model's Results**

EDUCATION

B.S. in Mechatronics Engineering (Expected), Tech University of Korea   Siheung-si, Gyeonggi-do

Mar 2021 — Aug 2024