

# Jeongmin Seo

DATA ENGINEER · FULL-STACK DEVELOPER

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*"I believe that one of life's greatest risks is never daring to risk."*

## Skillset

Data Engineering : Airflow, Docker, AWS(RDS, S3, etc.), PostgreSQL, MySQL and Oracle

Web/App Development : React.js, Node.js, Django, Firebase, AWS EC2, Flutter and Electron

ML/DL : OpenCV, Dlib, Numpy, Pandas, Scikit-learn, and Tensorflow

## Work Experience

### Visang Education - Data Platform Cell

Seoul, S.Korea

DATA ENGINEER (INTERN)

Jul. 2023 - Aug. 2023, Jan.2024 - Feb. 2024

- Built ETL data pipeline that extracts metadata for about 30 in-house brands utilizing Apache Airflow on Docker container.
- During the ETL pipeline task, the efficiency of query and batch processing tasks resulted in code performance improvements that reduced the task time by 37 seconds for about 50,000 data.
- Used PostgreSQL, MySQL, and Oracle while the ETL process from source databases to our data warehouse.
- In charge of project management and front-end(React.js) part of developing in-house data portal.
- Presented prototype of in-house data portal in front of about 400 employees successfully.

## Program

### IITP Korean Software Square Fall 2023 Program

West Lafayette, IN, USA

INTERNATIONAL SCHOLARSHIP AT PURDUE UNIVERSITY

Sep. 2023 - Dec. 2023

- Wrote a paper: "Establishing the Correlation Between Bio-Data and Concentration Level Utilizing EEG Data"
- Preprocessed bio-data which are collected from two different devices(Brainwave sensor and Fitbit) that have different timestamps and time intervals by python libraries such as numpy and pandas in 6 steps.

### Silicon Valley Software Technology and Innovation Program

San Jose, CA, USA

CERTIFICATED STUDENT

Jul. 2022 - Aug. 2022

- Developed an application by flutter and flask that analyzes users' tastes based on reviews and content evaluation data and recommends customized OTT platforms and contents.
- Won an entrepreneurship award through the project.

## Project

### Improvement of Reservation System for Library based on Computer Vision

- Developed an improved reservation system of university's library utilizing React, Django, OpenCV, and network portforwarding technique.
- Solved the problem of shortage of seats in the library and won two awards from the capstone design competitions(Kyunghee University and Yongin Industry Promotion Agency) in recognition of its efficiency.

### Look-At-Me

- Developed a desktop application which helps users focus on E-learning based on gaze tracking and manages the concentration record using Django, React, Electron, Tensorflow.js and Dlib.

### Local People

- Developed a location (regional) based social network web service for sharing useful information among local people using React, Typescript, and Firebase.

## Extracurricular Activity

### GGUMINDREAM 18th (Teenagers Mentoring)

Seoul, S.Korea

CORE MEMBER & PRESIDENT AT 2022

Aug. 2021 - Feb. 2023

- Joined teenagers mentoring seminar as mentor about 10 times.
- President of the club which has 20 mentors.