

2023.06

Android Engineer
(Full-Stack)

안예나
Ahn Yena

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yena0426@gmail.com

Application
Developer
Producer.

Hot Trending Apps! I, Yena Ahn, Will Create It.

I have built a solid foundation in Full-Stack capabilities.

When designing the database, I also focused on API development. Similarly, while working on API development, I paid attention to front-end development, and when working on the front-end, I prioritized the user experience.

As a result, I have enhanced my ability to communicate effectively between the front-end and back-end, and developed problem-solving skills that encompass both areas.

Always keeping the next step in mind, I strive to become a developer who creates an enjoyable user journey, like a Hot-Trending Videos, leading up to the app's interaction with users.



CONTACT

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EDUCATION

2013.03. ~ 2019.02. Chung-Ang University, Seoul

[Main Major] Media Communications
– Digital Contents

[Double Major] Integrative Engineering
– Digital Imaging

GPA 3.74 / 4.50

EXPERIENCE

2022.07. ~ 2023.06.	Trainee / Samsung SW Academy For Youth
2021.05. ~ 2022.05.	Filming(Shooting) PD / SBS Digital News Lab
2018.11. ~ 2021.02.	Digital Content Creator / MBC Radio
2018.04. ~ 2018.08.	Internship / Daehong Communications

AWARDS / CERTIFICATES

2023.05. 입상	SSAFY 자율 프로젝트 전국 결선
2023.05. 최우수상	SSAFY 자율 프로젝트
2023.04. 우수상	SSAFY 특화 프로젝트
2022.11. 최우수상	SSAFY 관통 프로젝트

SKILLS

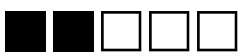
Language.

Kotlin



- Able to understand the features of Kotlin and utilize them to carry out small-scale projects.
- Proficient in utilizing the Spring Boot framework for database design and API development.
- Capable of developing Android app screens using Android Jetpack Compose.

Java



- Understand and utilize the features of Java for carrying out small-scale projects.
- Proficient in using the Spring Boot framework for development.

JavaScript



- Understand and apply the features of ES6+ for implementing web interfaces.
- Capable of utilizing JS-based frameworks and libraries.

Python



- Understand and utilize the features of Python for carrying out small-scale projects.
- Proficient in using the Django framework for development.

SKILLS

Back-End.

SpringBoot



- Able to design databases and implement CRUD operations.
- Proficient in designing Restful APIs.
- Skilled in developing controllers using the Spring Data JPA framework to interact with relational databases.
- Experienced in working with QueryDSL for querying data.

Django



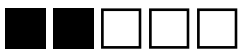
- Implementation of CRUD operations.
- Proficient in designing Restful APIs.
- Experienced in web development based on the MVC pattern.

MySQL



- Understanding the characteristics of Relational Database Management Systems (RDBMS) and applying them to database design.
- Proficient in writing basic SQL queries using MySQL.

Redis



- Understanding the features of NoSQL databases and utilizing Redis for database design.

SKILLS

Front-End.

HTML/CSS



- Proficient in developing web interfaces using JavaScript.
- Capable of applying component styles to enhance the visual appearance of web pages.

React



- Understanding of component state management and ability to develop small-scale projects dynamically.
- Proficient in using React-Router and experienced in implementing Redux.
- Capable of developing reusable code using functional components.

Vue.js 2.0



- Understanding of the Vue.js component lifecycle and ability to utilize Vuex and Vue Router for small-scale project development.
- Proficient in working with the concept of components and capable of developing reusable code for better code organization and reusability.

Figma



- Proficient in using Figma to create prototypes for design purposes.

PROJECT

INDEX.

2023.04. ~ 2023.05. mmAR+ 마트

Hypermarket-exclusive offline application using Augmented Reality (AR) to assist with grocery shopping.

p.7

2023.02. ~ 2023.04 Sna!pstory 스냅스토리

AI-based English learning application for young children utilizing camera and hand-drawn input.

p.9

2023.01 ~ 2023.02 Rendez-Boo 랑데부

Web service for blind video datings using WebRTC.

p.11

2022.11 Persona Mia 페르소나 미아

Web service utilizing the TMDB API to provide movie recommendations based on actors.

p.12

2023.04. ~ 2023. 05.



Project Overview and Implementation

- Development of an offline application for hypermarkets using Augmented Reality (AR) to assist with grocery shopping.
- Implementation of a search feature to find and add items to the shopping cart, AR-guided shortest route navigation, and integration with kiosk payment system.

Roles and Responsibilities

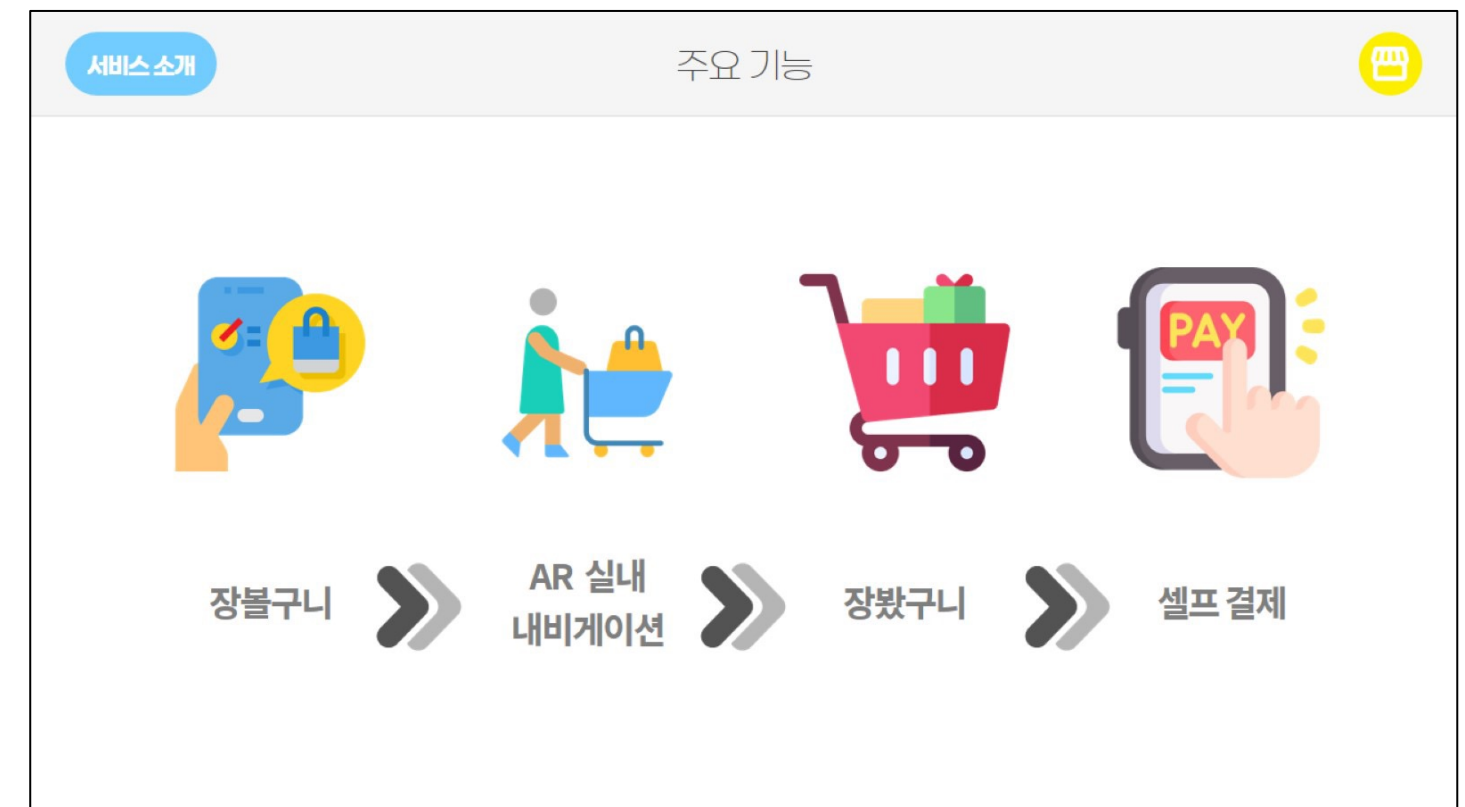
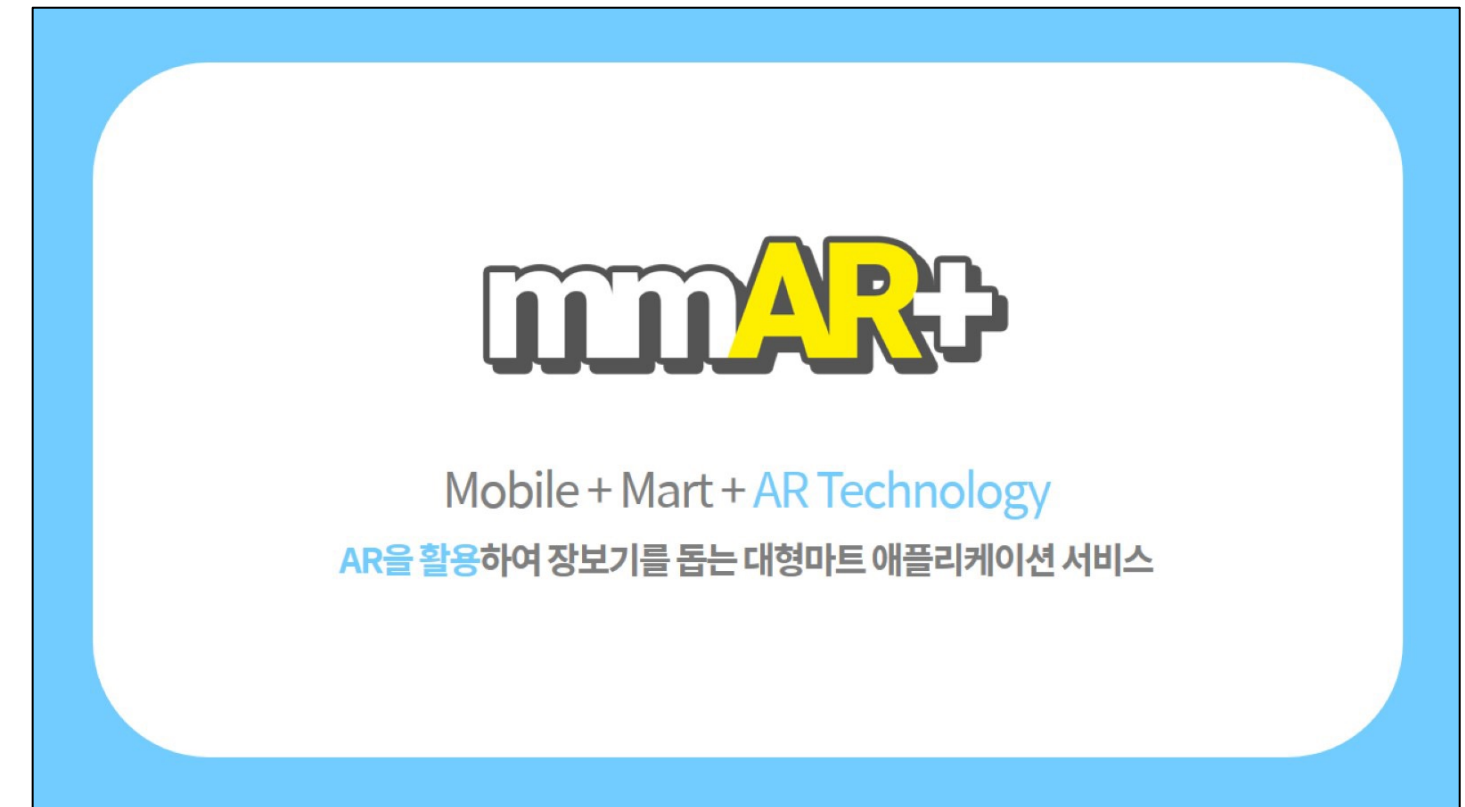
- BE: Designing and developing the shopping cart and purchase history using Redis, implementing integration with the kiosk payment system.
- FE: Developing app screens for the shopping cart, purchase history, and payment details, as well as developing the web interface for the kiosk.

Technology Stack

Kotlin, SpringBoot, JPA, QueryDSL, MySQL, Redis, Android Jetpack Compose, JavaScript, HTML/CSS, Figma

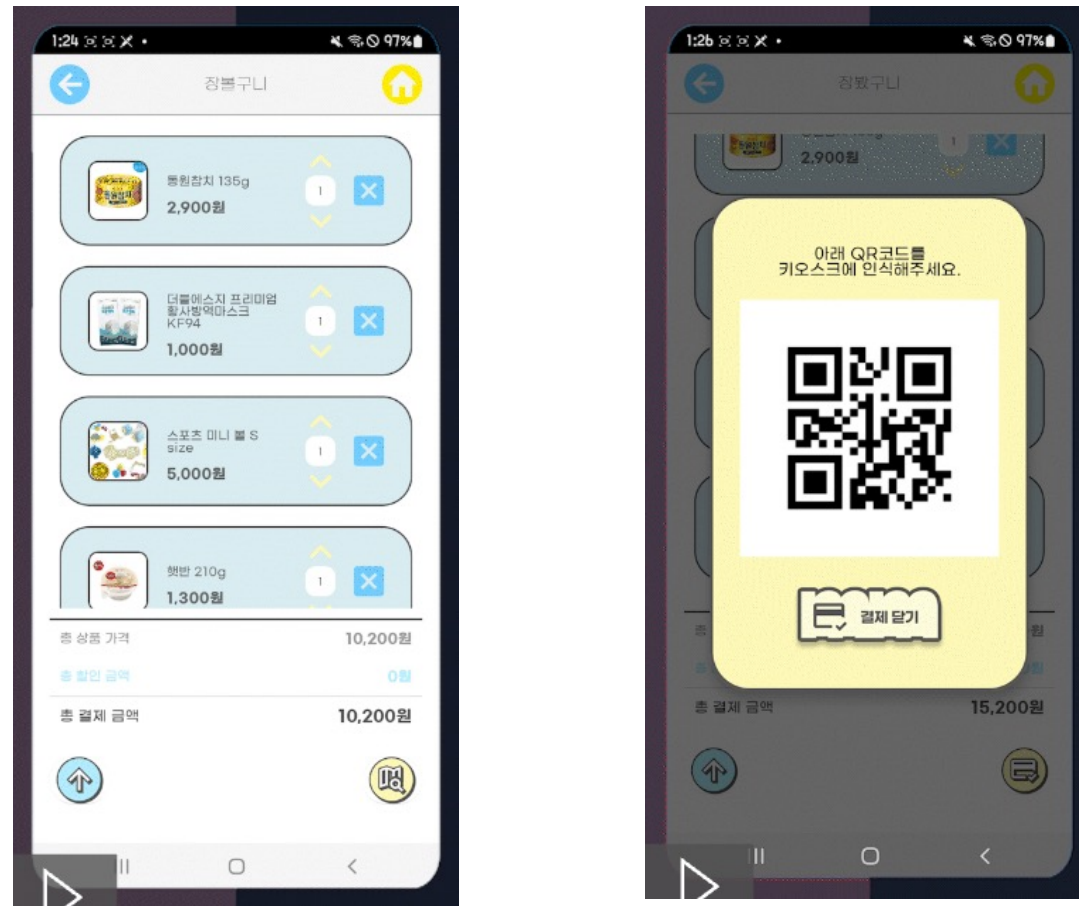
Reasons for Technology Selection

- Kotlin: Chosen for its null safety, type inference, and ability to use a single language for both backend and frontend development.
- Android Jetpack Compose: Enables the development of Android screens with Material Design.
- QueryDSL: Selected for efficient data querying, particularly for large datasets.



[Introduction Video of mmAR+ ([Link](#))]

[Implementation of Get-Cart/Got-Cart Functionality]



[Development of Kiosk Screen and Implementation of Payment Functionality]



Project Achievements

- Winner of the Best Project Award in the SSAFY program and advanced to the national finals.
- Understanding and utilization of the differences between Java and Kotlin, and selecting Kotlin for development.
- Understanding and appropriate utilization of the differences between RDBMS and NoSQL.
- Strengthening full-stack Android development skills by implementing everything from database and APIs to UI development using Kotlin.

Project Review

- Retrospective: Setting challenging goals allowed us to continuously revisit the project's intentions and adjust the MVP along the way.
- Improvement Point : I would like to enhance code reusability through frontend code refactoring.

2023.02. ~ 2023. 04.

Sna!pstory

Project Overview and Implementation

- Development of an AI-based English learning application for young children using camera and hand-drawn input.
- Extracting words from captured photos and generating English storybooks and word lists using ChatGPT.

Roles and Responsibilities

- BE: Implementing AI storybook modification, quiz functionality, and word list features.
- FE/Design/UI: Porting the AR module, creating overall design assets, and applying UI elements.

Technology Stack

Java, SpringBoot, JPA, MySQL, Firebase, Dart, Flutter, JavaScript, HTML/CSS, Figma, Adobe Photoshop

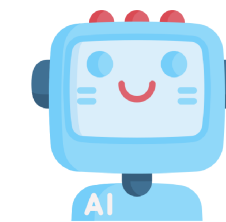
Reasons for Technology Selection

- Firebase: Simplifies user authentication token handling.
- Flutter: Enables cross-platform development and widget-based UI.

Sna!p story



Snapshot



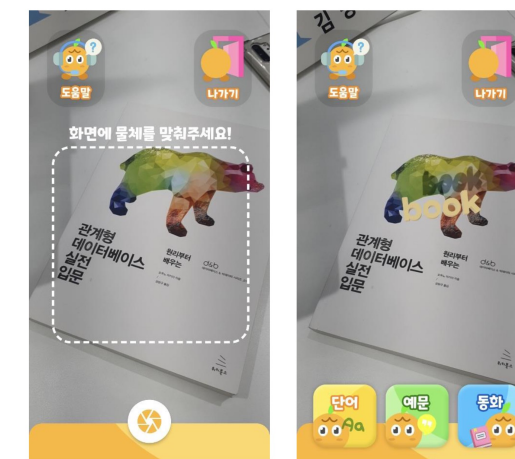
AI



Storybook

AI를 활용한 동화 기반 유아용 영어 학습 애플리케이션

사물 인식



일상의 사물을 인식하여 단어를 AR로 보여주고
단어와 예문을 나만의 단어장에 저장

[Introduction Video of Sna!pstory ([Link](#))]

[AI Storybook Generation through Object Recognition]



[Classic Fairytale Hand-drawn Quiz]



[My Vocabulary]



Project Achievements

- Winner of the Excellence Award in the SSAFY program.
- Took the lead in backend development, enhancing backend development skills by implementing the majority of the features.
- Experience in cross-platform development, widget-based development, and applying declarative UI

Project Review

- Retrospective: Through the process of aligning the API communication data format between the quiz storybook controller and the UI, I developed effective communication skills between the backend and frontend.
- Improvement Point : I would like to refine the ChatGPT API prompt to ensure smoother generation of stories and sentences.



Project Overview and Implementation

- A web-based blind video conferencing service utilizing WebRTC.
- Features include 1:1 and 3:3 video matching, mini-games, real-time text chat, and social login.

Roles and Responsibilities

- FE : Implementing 1:1 video conferencing, 3:3 video conferencing, and text chat functionality.

Technology Stack

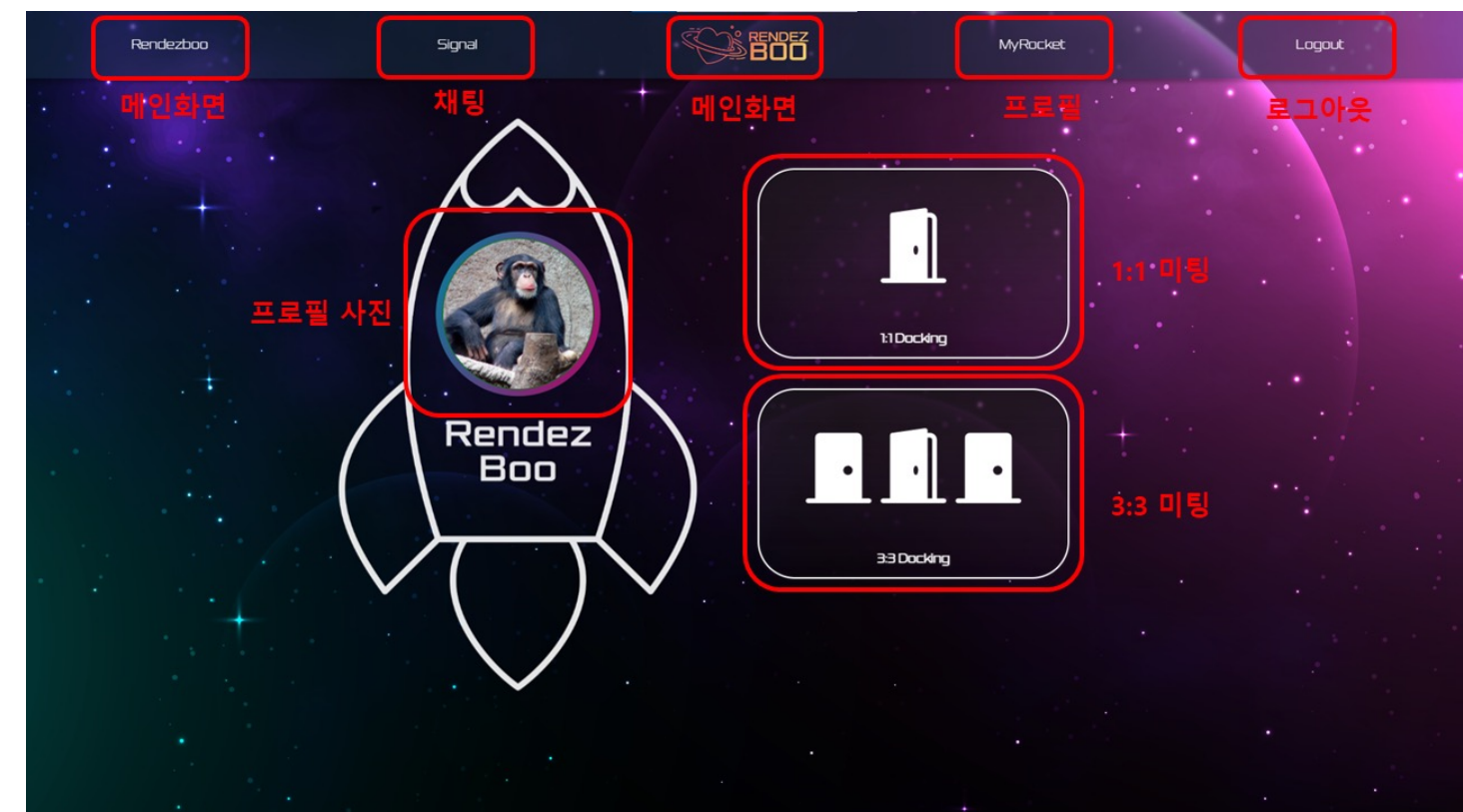
Javascript, React, React-Router, Redux, HTML/CSS, Figma

Reasons for Technology Selection

- React: Enables the development of reusable code through functional components.

Project Review

- Retrospective : Realized the importance of project scheduling, task delegation, and setting MVP goals.
- Improvement Point: Refactoring the code to further modularize the components.



[Introduction Video of Rendez-Boo ([Link](#))]



Project Overview and Implementation

- A web service that utilizes the TMDb API to recommend movies based on actors.
- Users can search for actors, view their filmography, and add movies to their favorites for personalized recommendations.

Roles and Responsibilities

- FE/BE: Developed and implemented features such as the home page, actor search, and user profile.

Technology Stack

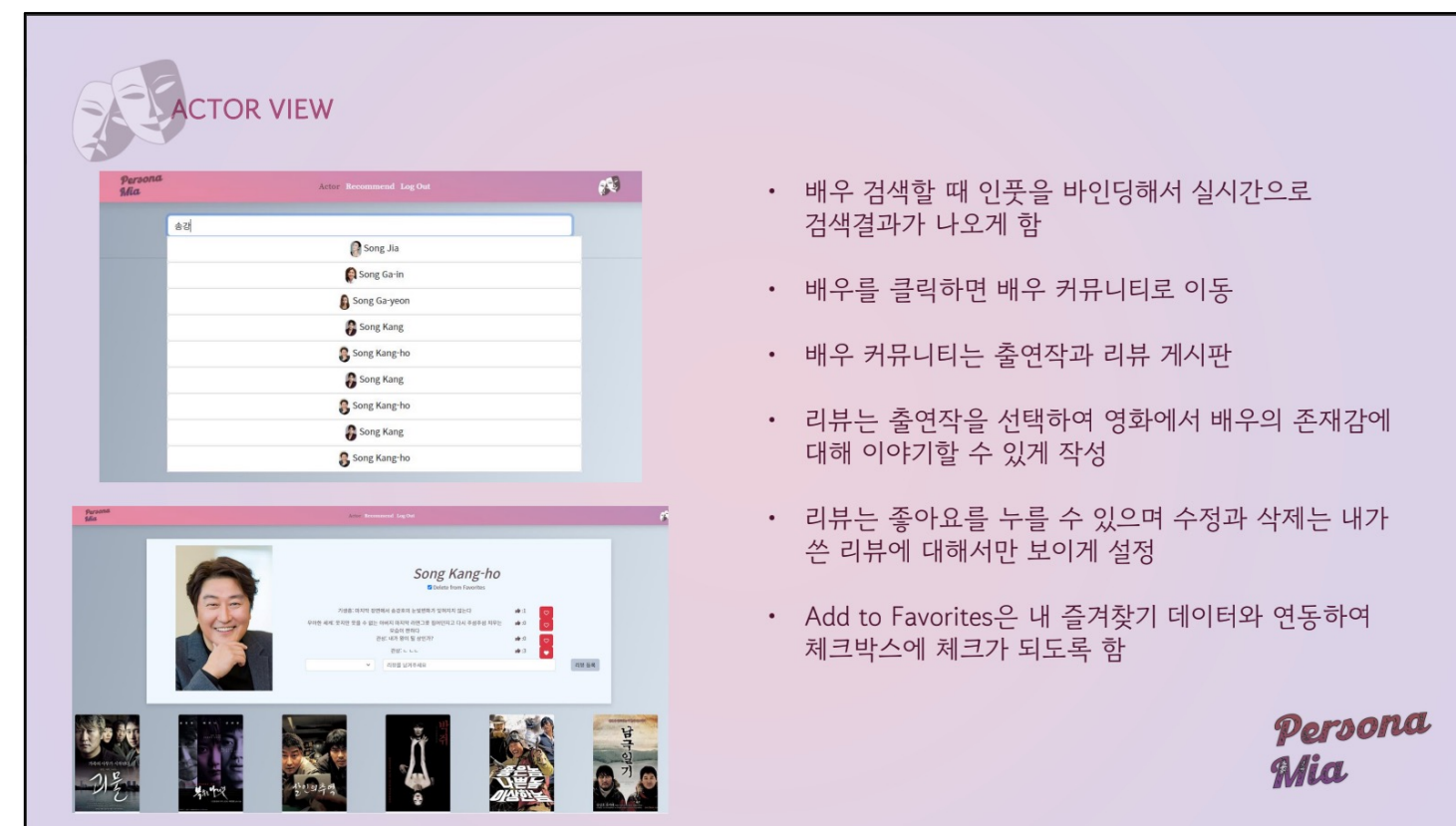
Python, Django, JavaScript, Vue.js, Vue-router, Vuex, HTML/CSS

Project Achievements

Received the Best Project Award in the SSAFY program.

Project Review

- Retrospective : This project provided an opportunity to enhance full-stack development skills and gain experience in API communication.
- Improvement Point: Refining the handling of English data in the search autocomplete feature and enhancing the responsiveness of the pages for better user experience.



[Main Feature of Persona Mia – Actor Search]