

Junseong Bae

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EDUCATION

42 Seoul

Seoul, Korea

42 Seoul Common Core: *Completed All 5 circle Projects and Exams*

Mar 2023 – In Progress

Samsung SW Academy (SSAFY)

Seoul, Korea

Intensive Web Development Program: *1,600 Hours of Training*

Jan 2022 – Dec 2022

Specialized Project Excellence Award: *1st place*

Samsung Mock Competency Test: *A*

Student Council: *CA(Change Agent), Class president*

Hankuk University of Foreign Studies

Gyeonggi-do, Korea

B.E. in Electronic Engineering, Minor in Computer and Electronic System Engineering

Jan 2015 – Dec 2021

SKILLS

Programming Languages: JavaScript, TypeScript, Java, C, C++

Technologies: React.js, Node.js, Spring, MySQL, Git, Docker

Languages: Native Korean, Advanced Business English

Driving: Licensed Driver — Class 1 Ordinary License

Soft Skills: Problem-Solving, Critical Thinking, Creativity, Attention to Detail, Effective Communication, Teamwork, Adaptability, Learning Agility

PROGRAMMING PROJECTS

Cabi | [Github](#)

<https://github.com/innovationacademy-kr/Cabi>

- Convenient locker rental system in 42 Seoul.
- It manages 400 lockers and provides a web-based interface for users to rent and return lockers. It aims to help 1400 cadets use the cabinets smoothly. The manager platform allows you to view and manage the locker rental status schematically.
- And also provide a reservation service for [Wednesday Knowledge Meeting], a presentation event held every 1st or 3rd Wednesday in 42 Seoul.

Masterpiece | [Github](#)

<https://github.com/wet6123/rmasterpiece>

- Hangul NFT Service for Foreigners.
- It is a service that allows foreigners to experience the principles and designs of Hangul. You can mint your own Hangul NFT and trade it with other users. It provides a GUI that allows you to combine Korean phrases with your mouse. And it also provides an editor that allows you to design Korean NFTs.

WE-tness | [Github](#)

<https://github.com/wet6123/WE-tness>

- Exercise game service using WebRTC and motion recognition.
- Up to five people can play the game remotely together. It provides a ranking system and game history, exercise record, achievements, and user follow functions.

Integral | [Github](#)

<https://github.com/wet6123/Integral>

- Home interior SNS platform.
- If you upload photos on this SNS platform, AI image processing automatically finds the hashtags related to uploaded images. Users can preregister their preferred tag preset and it find tags based on it.

Common Core Projects

- Selected notable projects from the Common Core curriculum at 42 Seoul, demonstrating a wide range of skills in software development and programming:
- **ft_transcendence** — Developed in a group of five, a full-stack web game application, integrating both front-end and back-end development skills. Implemented interactive gameplay and user interface with efficient server-side data handling.
- **webserv** — High-performance web servers compatible with HTTP/1.1. It is written in C++ and can handle about 300 transactions per second with I/O multiplexing using Kqueue. Siege load tests can cover requests sent by 100 clients in a row with a 100% response rate.
- **push_swap** — Designed a project around sorting algorithms and stack operations, emphasizing on optimizing data manipulation and algorithm efficiency.

Open source projects

Codepair | [GitHub](#)

<https://github.com/yorkie-team/codepair>

- Open-source real-time collaborative markdown editor. Based on CRDT, it operates as Yorkie, a real-time simultaneous editing technology. Contributed to the advancement of the front-end. I implemented a custom error message and showed it to the user using toast.

MariaDB | [GitHub](#)

<https://github.com/MariaDB/server>

- Open Source RDBMS. Contributed to typo correction.

ko.react.dev | [GitHub](#)

<https://github.com/reactjs/ko.react.dev>

- React official translation project. Contributed to "State update queue" translation modification and "taintUniqueValue", "renderToStaticNodeStream" translation.

PAST NON-PROGRAMMING WORK EXPERIENCE

Military service

Okcheon County, Korea

Signaller

2016 – 2018

- CCTV, Wired and Wireless Equipment Management and Maintenance.

CERTIFICATES

Engineer Information Processing

2024.06.18

Human Resources Development Service of Korea

ORGANIZATIONS

Passion and Pioneer (Computer Science Conference)

Jul 2022 – Feb 2023