

Minji Kim

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Software Developer

SKILLS

- Languages: C, C++, Java, Python, JavaScript, CSS, HTML
- Database: Oracle SQL, MongoDB, PostgreSQL
- Packages: React, Node.js, Express.js, Bootstrap, Tailwind CSS, Spring Framework, Thymeleaf, Linux, UNIX
- Tools: JIRA, Confluence, Slack (Collaboration), SAS, MS Office

EDUCATION

Advanced Diploma of Computer Programming & Analysis

Jan 2023 – present

Seneca College, Toronto, ON, Canada

- Achieved 3/3 President's Honour List for Computer Programming and Analysis (4.0 GPA)
- Courses – Object Oriented Programming, Advanced Database Services, Web Programming Tools and Frameworks, Data Structures and Algorithms, Software Testing, Applied Problem Solving, Software Analysis and Design

Bachelor of Chinese Literature and Business Administration

Mar 2011 – Feb 2016

Kookmin University, Seoul, South Korea

PROJECTS

JjeopJjeop Recipe ([Readme](#))

- Developed a full-stack social media web application that enables users to interact with other users to share their recipes and purchase ingredients on the same platform using Java and Oracle database
- Partitioned to 14 data tables to ensure data normalization and eliminate data redundancy in the database
- Designed and implemented a RESTful API and CRUD operations (Read, Create, Update, Delete) to practice scalability using SQL instead of no-relational database (ex. JSON)
- Demonstrated solid version control skills by creating and merging GitHub branches into the main codebase, enhancing consistency of the codebase and independence of each contributor's work
- Utilized the Spring Framework with various dependencies, enhancing the user interface, improving code reusability, and reducing bugs for ease of future maintenance

Lego Set Search Application ([Homepage](#))

- Engineered a dynamic Lego Set Search application using PostgreSQL and the EJS (Embedded JavaScript) template engine, enhancing its capability to render JSON-formatted data from a relational database
- Implemented secure user registration and authentication functionality using MongoDB and bcrypt.js module
- Configured client sessions for storing user credentials and data, empowering authorized users to add, edit or delete the dataset
- Leveraged Tailwind CSS to define a visually cohesive and aesthetically pleasing design, contributing to an enhanced user experience and readability
- Deployed the application on a serverless cloud infrastructure, fostering high availability and scalability for optimal performance

Money Tracker Application ([Readme](#))

- Programmed a money tracker application using the MERN stack (MongoDB, Express, React, Node.js) to gain hands-on experience in modern web development
- Integrated various features, including expense tracking, budgeting, and data visualization providing users with a comprehensive financial management experience
- Implemented search and filter functionality, enabling users to efficiently locate and organize financial data based on specific criteria such as date, category, or amount
- Architected a Client-Server design, resulting in a responsive and user-friendly interface for the web application

WORK EXPERIENCE

Data Manager

Jul 2018 – Jan 2022

CRScube | Seoul, South Korea

- Spearheaded the design and maintenance of standardized clinical datasets to enhance the adequacy and accuracy across 20+ projects within stringent deadlines
- Employed industry-standard tools, including Jira, Slack and Scrum, to establish efficient collaboration with cross-functional teams and streamlined issue tracking
- Migrated 10 different sets of research data by redesigning and merging datasets with defined key values
- Developed user manuals to enhance system usability, resulting in an improved user experience and increased operational efficiency