

Moonjoo Kim | Full-Stack Software Engineer

As a software engineering apprentice with a strong focus on professional development and a passion for programming, I am committed to using my technical skills in coding to build web applications with APIs that improve users' quality of life. My positive, collaborative personality allows me to bring fresh perspectives and enthusiasm to every project, while my problem-solving skill enables me to devise inventive solutions that exceed expectations.

Technical Skills

Languages - JavaScript, TypeScript, HTML, CSS, Python, SQL, Mongo, JSON

Database - PostgreSQL, MongoDB | **Other** - RESTful Routing, JSON api, Software Testing

Libraries and Frameworks - React, Next.js, Express.js, Django, Jquery, Bootstrap

Interpersonal Skills - Highly collaborative, problem solving, organizational, strong communicator, project management

Software Development Projects

[Memo-App](#) | [Full-Stack](#)

03/2023

Responsive full-stack application that lets users create, delete, and edit notes.

- Made full create, read, update, delete (**CRUD**) operations hitting all **RESTful** routes using **Express**, **MongoDB**, **Node.js** for the backend handling.
- Used **Mongoose** to define schemas for **MongoDB** collections.
- Created an application with a mobile-first approach and styled using CSS with **FlexBox** and **Grid** layouts.

[Stackbook](#) | MERN Stack ([Frontend](#)/[Backend](#))

04/2023

Responsive full-stack social media group project that lets users create, delete, edit, and like posts using React.js.

- Made **RESTful API** fetch calls to an **Express**, **MongoDB**, **Node.js** backend with two models handling all create, read, update, delete (CRUD) operations, and tested all backend routes during development using **Postman**.
- Made successful user authentication using **JWT token**, **Bcrypt**, and **react-router** to allow users to register and login.
- Created the frontend using **React.js** and **Axios** to make API fetch calls.
- Collaborated with a fellow software engineer on **GitHub**, utilizing multiple branches and making pull requests.
- Deployed via **Heroku**.

[CookBook](#) | Django, Postgresql, React.js ([Frontend](#)/[Backend](#))

04/2023

Full-stack group project that lets users register, login, and share recipes.

- Made **RESTful API** fetch calls to backend built with **Django** and **Postgresql** handling all create, read, update, delete (CRUD) operations, and tested all backend routes during development using **Postman**.
- Made successful user authentication using built in **Django** user model to allow users to register and login to post and see recipes.
- Created the frontend using **React.js**, **Axios**, and **React-Router**.
- Collaborated with two other fellow software engineers on **GitHub**, utilizing multiple branches and making pull requests.

[Pineapple-Admin](#) | Next.js, MongoDB, AWS ([Full-Stack](#))

04/2023

Full-stack application that lets admin login and perform full CRUD with products for the ecommerce website.

- Made successful user authentication using **NextAuth.js** allowing admin to login using their Google account.
- Made **RESTful API** fetch calls to backend built with **Nextjs** and **MongoDB** handling all create, read, update, delete (CRUD) operations with the models.
- Created multiple models (products, categories, orders) and related them using **MongoDB**.
- Created the frontend also using **Nextjs** and styled with **Tailwind CSS**.
- Used **AWS (Amazon Web Services) S3 Bucket** to hold the images the admin uploads.

Apple clone e-commerce application that lets users view, add to cart, and purchase products.

- Made successful user authentication using **NextAuth.js** allowing admin to login using their Google account.
- Used **Nextjs** to fetch data the admin uploaded using the admin panel (Pineapple-admin) from **MongoDB**.
- Created the frontend also using **Nextjs** and plain **CSS**.
- Successfully used **Stripe** for the users to make payments.

Professional Experience

Research Assistant - Applied Metabolism and Physiology Research Lab | New Brunswick, NJ 02/2022 - 05/2022

- Maintained accurate and detail-oriented records of experimental procedures, data, and results using laboratory information management systems and spreadsheets for 50 participants during this internship.
- Supervised exercise sessions for study participants, ensuring that exercise protocols were properly implemented and adhered to.
- Fostered a comfortable and supportive environment for study participants by engaging in small-talk and building rapport, which helped to reduce stress and anxiety.

Anatomy & Physiology Instructor - Personal | Remote 06/2022 - 08/2022

- Provided one-on-one tutoring to a college student in Anatomy and Physiology, facilitating the development of a deeper understanding of the structure and function of the human body, resulting in the student earning an A grade in the course.
- Utilized effective teaching strategies to explain complex physiological concepts and processes, such as cellular respiration, the circulatory system, and the nervous system.
- Developed custom lesson plans and study materials tailored to the individual needs and learning styles of the student.

5th Grade Instructor - Zenith Academy | Remote 09/2022 - 05/2023

- Delivering virtual instruction to a class of three 5th grade students in reading, writing, and math via Zoom, using a variety of instructional strategies and tools to engage students in active learning.
- Incorporating technology and multimedia resources, such as interactive whiteboards and educational apps, to enhance the learning experience for students.
- Demonstrating a strong commitment to student success, and to creating a safe and welcoming learning environment that inspires a love of learning in all students.

EDUCATION

General Assembly | Remote 02/2023 - 05/2023

Software Engineering Immersive

Full-stack software engineering immersive student in an intensive, twelve-week, 450+ hour program focused on product development fundamentals, object-oriented programming, MVC frameworks, data modeling, and team collaboration strategies. Developed a portfolio of individual and group projects.

Rutgers University | New Brunswick, New Jersey Graduation: May 2022

Bachelor of Science

Department of Kinesiology and Health