

JEEHYAE DANCE

SKILLS

TECHNICAL

DBMS

MySQL / PostgreSQL / Cassandra

LANGUAGES

JavaScript / HTML / CSS / C# /

Typescript

FRAMEWORKS

ReactJS / React Native / NodeJS /

Express / CSS Modules /

Styled Components / jQuery

TOOLS

Docker / AWS EC2

Bootstrap / Recharts / Nginx /

New Relic / Jest / Heroku / Netlify

LANGUAGE

Korean (native)

English (fluent)

Japanese (beginner)

EDUCATION

HackReactor at Galvanize

Advanced Software Engineering

Immersive Program (2019)

FreeCodeCamp

Responsive Web Design &

JavaScript Algorithms and

Data Structures (2019)

Northern Arizona University

Bachelor of Science

Hotel and Restaurant Mgt (2014)

SOFTWARE ENGINEERING PROJECTS

FARKLE Web Application

Family Friendly Real-time Dice Game

- Utilized websockets through **Socket.io** to achieve true real-time between players on different devices and browsers
- Created the front-end application using **ReactJS** and deployed on **Netlify**
- Developed the **REST API** using **ExpressJS** and **PostgreSQL** which are both hosted on **Heroku**

CLIMBING DAY Web Application & Mobile Application

Rock Climbing Journal and Analytics (<https://climbingday.com>)

- Implemented full stack authentication using client-side browser cookies to store session and **bcrypt** to hash passwords and store them securely in **PostgreSQL**
- Visualized user's rock climbing careers in beautifully generated graphs and charts using the **Recharts** library
- Developed a versatile backend using **ExpressJS** that can handle and route data to both the web application and mobile application
- Built an iOS and Android companion mobile application using **React Native** so users can log climbs at the gym

JAST DANCE Web Application

Music Streaming Application

- Optimized **PostgreSQL** to increase data retrieval time of 10 million records by 1000% - from 50,000ms to 42ms
- Added stress-testing via thousands of concurrent requests to simulate production level traffic using **Loader.io**
- Used **K6** and **New Relic** to test and analyze response times of our API which allowed us to horizontally scale
- Containerized entire application to run in an **AWS EC2** instance using **Docker**

PROFESSIONAL EXPERIENCE

KOREAN PRIVATE TUTOR Self Employed | Chicago, IL | 2018 – 2019

- Led private/group lessons to almost 20 students on the Korean language while maintaining a 5-star review

ADMISSION COORDINATOR Western Governors University | Phoenix, AZ | 2017 – 2018

- Communicated with hundreds of applicants throughout the application process and maintained an average of 12 student enrollments every month

INTERNATIONAL AFFAIRS COORDINATOR Ajou University | Suwon, S.Korea | 2016 – 2017

- Conducted all phases of administrative work for Ajou International Summer School 2016 (recruited 70 students, designed program format, arranged cultural activities)