Jonathan Kim

(240) 654 7568 | Kim.Jonathan426@gmail.com   Portfolio | GitHub | LinkedIn

SKILLS

Languages: Javascript, Python, SQL, HTML, CSS
Frameworks/Tools: React, Redux, Node.js, Express, Flask, Sequelize, SQLAlchemy, PostgreSQL, AWS S3, GCP, REST API

PROJECTS

AirBallnBrick   (React / Redux / Express / Sequelize / Postgres)   live | github
- Implemented Google OAuth 2.0 using server to server flow via the Google Cloud Platform so the application can gather different scopes of data authorized from the user for convenient and assisted authentication.
- Employed CSS media queries, transitions, and animations to create a responsive and fluid web design that adapts the interface to various devices and enhances the user experience.
- Incorporated the react-date-range library and customized the component with DOM manipulation and interactive design to optimize the user experience.

Instaspam   (React / Redux / Flask / SQLAlchemy / Postgres)   live | github
- Incorporated hashtags by utilizing a many-to-many polymorphic relationship table and custom functions which scans a post's caption enabling the identification, addition, and deletion of hashtags.
- Utilized on change event listeners and passed down search queries allowing users to filter posts, users, and hashtags of interest based on keywords.
- Researched and employed react packages easy-crop and emoji-picker for improved user experience and functionality.

ESRF   (React / Redux / Flask / SQLAlchemy / Postgres)   live | github
- Enabled dynamic resizing of textareas and automatic selection of input text on focus using the jQuery '$' selector to optimize the user experience.
- Utilized AWS S3 with CSRF protection to implement convenient user image uploads reducing server load and allowing for scalability of image services.
- Implemented built-in and custom backend error validators with WTForms to eliminate the possibility of generating rouge data allowing for smooth functionality and intuitive design.

EXPERIENCE

Manufacturing Associate - Catalent Pharma Solutions   May 2021 - Mar 2022
- Performed all aspects of cell culture seed train operations ranging from cell thaw, passage, maintenance, and harvest.
- Purified upstream product using anion exchange chromatography, gradient-elution chromatography, viral filtration, and UF/DF tangential flow filtration.
- Coordinated with Environmental Health and Safety specialists to provide the facility with proper waste management protocols.

Server - Iron Age Rockville   Jan 2016 - Sep 2019
- Demonstrated strong teamwork and communication skills by working collaboratively with other servers and kitchen staff to coordinate orders, manage table turnovers, and provide the customers with a great dining experience.

EDUCATION

App Academy   2022
- *Web development bootcamp*

University of Maryland, College Park   2017 - 2021
A. James Clark School of Engineering
- *Bachelor of Science - Biomedical Engineering*