JOSH KIM

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SKILLS: JavaScript, Ruby, Rails, React, Redux, GraphQL, SQL, HTML, CSS, MongoDB, PostgreSQL

PROJECTS:

Yosha *JavaScript, Canvas API, HTML5, CSS*   live | github
Browser game inspired by platformers such as the Mario franchise and action shooting games like Contra.
- Implemented a tile-based level creation system to parse characters in a string and place tiles, enemies, player, and portal onto a level while allowing intuitive sizing for character models based on a standardized tile size.
- Separated models across various classes and utilized inheritance using strong object oriented programming concepts to simplify adding new enemies, win conditions, and other features in the future.

PunchEnder   *Node.js, Express, ReactJS, MongoDB, Apollo GraphQL*   live | github
Single-page web app inspired by Kickstarter
- Employed a responsive search feature for projects and categories using GraphQL server.
- Created a multi-part form implementing features such as using multiple inputs or a datepicker to select a date, uploading and previewing images with AWS S3, and writing stories via a Draft.js based rich text editor.
- Styled preview panels for rich text articles by using event listeners that expand the panel and move the blurred section on hover.

Super *Node.js, Express, ReactJS, Redux, MongoDB*   live | github
Single-page web app inspired by Medium
- Combined the usage of the react-cropper library, Canvas API, and Amazon S3 web service to allow users to crop their profile & article images before resizing and storing the images.
- Created incremental likes feature, adding checks to avoid synchronization issues between server and client.
- Used Mongoose virtual populate feature to facilitate an idiomatic setup of Mongoose models and their relations for fetching data across collections.

Prodigy   *Ruby on Rails, ReactJS, Redux, PostgreSQL*   live | github
Single-page web app inspired by Genius
- Utilized the Selection Web API along with JavaScript event listeners to allow users to create annotations by highlighting lyrics.
- Implemented a form object model for track creation & updates of multiple objects on the back-end while minimizing AJAX calls from the front-end. The form object model was created using the ActiveModel::Model mixin and using ActiveRecord transactions to ensure an all-or-nothing result upon form submission.
- Leveraged Rails' polymorphic association pattern for comment & annotation likes feature, thereby reducing database constraints.

EXPERIENCE:

Korean-to-English Translator

Self-Employed   Jan 2014 - Jul 2019
- Worked closely with all clients to ensure that all parts of the finished document would reflect the clients' original meaning would be kept when translating across languages.
- Performed research on Korean reference material to make sure that references were accurate, often having to track down source material for secondary references. Made suggestions for additional or alternative resources if secondary or translated resources were not sufficient.
- Provided Microsoft Word / PowerPoint formatting aid for dissertations, essays, slideshows, and more to ensure that the final product would meet needed professional standards.

EDUCATION:

University of Maryland - *BS Mechanical Engineering, 2015-2017*
App Academy - *Immersive web development program, 2019*