Ali Ibsin

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SKILLS:

- JavaScript, React, Redux, Node.js, Express.js, HTML, CSS, Ruby, Rails, Mongoose, MongoDB, SQL, PostgreSQL, jQuery, Webpack, Git, Heroku

PROJECTS:

Banana (JavaScript, React, Redux, Ruby on Rails, PostgreSQL, HTML, CSS, Webpack, Heroku) Live | GitHub

A full-stack clone of Asana where users can create and keep track of projects and tasks

- Implemented project, section, and task CRUD through custom transactional database operations using Active Record and PostgreSQL
- Extended rich-text-editing functionality by implementing auto-save with React and Redux allowing users to seamlessly update project, section, and task components
- Utilized bootstrapping to reduce load times while navigating through site
- Harnessed the unidirectional state management of Redux to simplify React components and directly manage data for form inputs and form submissions

Pet Connect (JavaScript, React, Redux, MongoDB, Node, Express, HTML, CSS, Webpack, Heroku) Live | GitHub

A MERN-stack social media platform that allows pets to make new friends, and find old ones

- Utilized React and Redux to manage the states of pet connections, requests, and details to provide a smooth user experience without the need to refresh the site
- Ensured user privacy and autonomy through frontend and backend authentication measures and React Router, allowing users to only access and make changes to their own pet profiles when logged in
- Connected the Express backend to an AWS S3 bucket to allow users to upload images of their pets

Simple Solar System Sandbox (JavaScript, HTML, CSS, Webpack) Live | GitHub

A sandbox environment where users can move through a scaled version of our solar system

- Calculated planet rotations and orbits to create a semi-realistic solar system
- Leveraged OOP techniques to heavily DRY up code for 3D object creation
- Utilized Webpack and Babel to insure a reliable uniform user experience across web browsers
- Decreased graphic rendering lag through the use of HTML5 Canvas and animation frames, resulting in a more realistic gaming experience

WORK EXPERIENCE:

Senior Energy Engineering Consultant **KBKG, Inc.** Dec 2020 – Jan 2021
Energy Engineering Consultant Aug 2018 – Dec 2020

- Analyzed architectural blueprints and construction specifications to determine level of energy consumption in accordance with national energy standards
- Certified over 20,000 energy efficient residential units based on simulations created using Energy Pro 4.4, Bluebeam Revu, and Microsoft Excel
- Increased efficiency of data organization process by up to 50% utilizing OmniPage OCR software and creating VBA macros
- Generated the most revenue ($5M) out of any employee during the 2020 fiscal year
- Used Asana project management software to forecast deadlines and organize workload of 7 team members

EDUCATION:

App Academy Jan 2021 – May 2021

- Immersive software development course with focus on full stack web development

University of Southern California – B.S. Mechanical Engineering Class of 2018