ANISUR KHAN

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SKILLS React, Redux, GraphQL, Apollo, Ruby, Rails, JavaScript, Docker, NodeJS, ExpressJS, MongoDB, SQL, Git, HTML, CSS

PROJECTS

zBay (MongoDB, Express.js, React, Node.js, GraphQL, Apollo, Cloudinary, HTML, CSS)   Live Site | Github
An eBay and Zillow inspired app that lets users create auctions and bid on luxury homes
- Employed **Apollo Client and Hooks** in order to manage the local state in rendering the modal for user login and signup form submission.
- Incorporated **GraphQL API** endpoints with a **React UI** to query complex relational data as well as create, delete and bid on auction listings, allowing for faster development without over fetching data.
- Leveraged **Cloudinary** and **Mapbox API** for image hosting and detailing applicable search results using geolocation rendered from the address entered upon home auction creation.

Yipp (MongoDB, Express.js, React / Redux, Node.js, HTML, CSS)   Live Site | Github
Yelp inspired app created using the MERN stack for dog owners to leave ratings and reviews based on social interactions
- Constructed a backend framework utilizing **Express** to incorporate the ability for users to create accounts and upload images using a **MongoDB** database.
- Ensured the functionality and integrity of code and database through the use of **Whitebox testing**.
- Employed **JavaScript** to design UI elements such as a carousel to view images, toggle buttons that allow users to view specific information on their profile such as their pets, favorite list, and reviews.

GridAlgoPathfinder (Javascript, jQuery, HTML, CSS)   Live Site | Github
An interactive visualizer for various pathfinding algorithms
- Implemented **custom algorithms** to find a path from starting position to ending position.
- Leveraged **jQuery** and **DOM manipulation** in order to visualize the grid and path by dynamically manipulating CSS.
- Incorporated the ability to adjust grid size and maze rendering through the use of on-click listeners and re-renders.

Turbo (React / Redux, JavaScript, Ruby / Rails, PostgreSQL, AWS, HTML, CSS)   Work In Progress | Github
A Turo clone; users can upload, list, and book cars.
- Leveraged the **Bcrypt hashing algorithm** in order to authenticate users, prevent unauthenticated users from accessing restricted pages on the frontend, and safely store encrypted user passwords in the database to increase site security.
- Implemented an intuitive modal for user login and signup that included the display of errors as well as an **asynchronous function** that animates a demo user login.
- Incorporated **AWS S3** in conjunction with **Rails ActiveStorage** as an external file storage system in order to accommodate user image uploads as well as reduce server load times at scale.

EXPERIENCE

Agrinos   **Davis, California**
Research Associate I   *August 2017* – January 2018
- Performed successful development and validation of assays as well as operated, maintained, and troubleshot instrumentation while optimizing and developing new methods and experiments as required.

Barile Lab, UC Davis   **Davis, California**
Junior Specialist / Lab Manager   October 2015 – August 2017
- Responsible for training of new hires and transitioning lab from analog to laboratory information management system (LIMS) through the implementation of scripts to seed database from excel files.

EDUCATION

App Academy - *Immersive Software Development Course (1500+ hour curriculum with < 3% Acceptance rate)*   Spring 2019
University of California, Davis - *BS: Biology (Concentration: Neurobiology, Physiology, & Behavior)*   January 2014