

Anisur Khan

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

PROJECTS

Turbo (React / Redux, JavaScript, Ruby / Rails, PostgreSQL, AWS, HTML, CSS)

[Live Site](#) | [Github](#)

A Turo clone; users can upload, list, and book cars.

- Leveraged the **Bcrypt hashing algorithm** in order to authenticate users 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 animated a demo user login.
- Incorporated the use of **AWS S3** as an external file storage system in order to accommodate user image uploads as well as reduce server load times at scale.

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** 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, create, delete and bid on auction listings from the frontend.
- 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** and incorporated 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 front end 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 **depth-first and breath-first search algorithms** to find a path from starting position to ending position.
- Leveraged **jQuery** and **DOM manipulation** in order to visualize the grid and path.
- Incorporated the ability to adjust grid size and maze rendering.

EXPERIENCE

Agrinos

Davis, California

Research Associate I

August 2017 – January 2018

- Performed successful development and validation of assays as well as ran, 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).

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