SUHAIB KHAN

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SKILLS

React, Redux, GraphQL, JavaScript, MongoDB, Ruby, Ruby on Rails, HTML5, CSS3, SQL, Node.js, Docker, Git, RSpec

PROJECTS

LITFLIX (Rails, ReactJS / Redux, Postgres, AWS S3, Webpack)   live | github

A clone of the popular movie streaming website Netflix, built using JavaScript, React.js, and the Ruby on Rails framework

- Features a custom-designed user authentication system leveraging the bcrypt password hashing library and Postgres / Rails framework for complete frontend and backend sign-in/sign-up validations.
- Formulated a hovered mini-video player so that when a user hovers over a movie title card for a length of time, a small video preview pops up and begins to play by using React.js event handlers and jQuery AJAX fetching request to fetch the movie data from the backend and create the appropriate HTML DOM nodes.
- Implemented multiple navbar dropdowns using different methods for each one in order to gain more knowledge and experience of different approaches. The profile dropdown was implemented with a pure CSS3 approach with selectors while the notification dropdown utilizes React.js state in order to handle the hovering event.
- Engineered the ability to fetch video information such as title, year, genre, description, and MPAA rating when hovering over the video by using Redux reducers, actions, and props to fetch information from the database.
- Incorporated media hosting and fetching through Amazon's AWS S3 service so that a user can log in and quickly have videos ready to watch at the click of a button.

OPENSTABLE   (ReactJS, ExpressJS, GraphQL / Apollo, MongoDB)   live | github

A reservation booking platform for horse stables inspired by OpenTable, implemented with the MERN stack and GraphQL

- Designed a visually appealing and responsive UI using HTML5 and CSS3, which can be seen all over the website from the dynamically changing keyframes header and interactive sliding carousel to little transition touches on buttons.
- Developed a responsive calendar by employing the react-calendar npm package and styling it with JavaScript Web API's to fit the visuals of the website.
- Created a reservation booking system by leveraging GraphQL, Apollo, and MongoDB to allow users to pick a date to set their reservation. The reservation component also features a timer warning users a reservation cannot be guaranteed after five minutes without booking the time slot.
- Incorporated the ability for users to search for stables in the area with Google Maps API and the geolocation library to pinpoint user location searches and show the stable's location on the map.
- Introduced the ability to run the application virtually by using Docker images and containers to create and deploy on any machine.

WHOOP (ReactJS / Redux, ExpressJS, AWS S3, Google Maps API, Axios, MongoDB)   live | github

A website based on Yelp where users can find, rate, and review restaurants. Created with React.js, Redux, and MongoDB

- Employed user session creation and deletion using tokens created with HTTP post requests which matched passwords with hashed versions through the bcrypt.js library and signed requests with JSON web token.
- Created dynamic searching of businesses in different categories and terms by using JavaScript functions to match common terms with their respective categories.
- Implemented an intuitive modal which selects the picture when clicked from the business show page and also updates correctly when clicking the images on the right sidebar of the modal. This required thoughtful use of React.js state, event handlers, and HTML data attributes to map the correct information for the selected picture and update the page accordingly.
- Established hosting and uploading of images through the Amazon AWS S3 service which allows users to upload photos for a business and see it right after on the show page.
- Implemented markers for every business on the map with the Google Maps API and JavaScript functions to get the longitude/latitude coordinates of the business and place the marker in that location with the correct business title.

FLEXTRIS (JavaScript, Webpack, Canvas API)   live | github

A full interactive version of Tetris with a twist where players can buy power-ups to clear lines. Designed in JavaScript, displayed with HTML5 Canvas, and bundled with Webpack

- Created a visually appealing game UI through the use of the Canvas API to bring livelihood to the webpage.
- Incorporated separation of concerns with the Webpack module to bundle all files together into one.
- Created dynamic movement of pieces with JavaScript keypress events to rotate or move left, right, or down.
- Built an updateGrid function which continually reprints the grid with the correct pieces in set intervals.
- Employed the logic to check for collision on any edge of the grid, or against other tetromino's, and to also drop a new piece at random as the game continues to run.

EXPERIENCE

Production Technician

GICS Foods, LLC   Nov 2016 - Jun 2019

- Coordinated client-requested quality control checks during unloading, packaging, and boxing of company products
- Organized team communication for every integral step of the manufacturing process to ensure products met outlined specifications
- Oversaw daily operations to ensure the team met production quotas and sought out solutions for any limitations to reaching our goals

Quality Inspector

Stratosphere   Aug 2015 - Oct 2016

- Boosted quality check efficiency through outside the box methods which led to improved production rates
- Fostered planning and teamwork among coworkers in order to realize the best way of inspecting new parts =
- Identified defects in parts which led to a change of production methods to combat further problems from arising, leading to a faster and better production run

EDUCATION

Web Development - *App Academy, a 1000-hour immersive full-stack web development intensive course with <3% acceptance rate which emphasizes coding style, pair programming, and best practices | Fall 2019 - Spring 2020*
BA Education - *Coastal Carolina University | 2012 - 2015*