


William Cowne

Junior Web Developer & Software Engineer

Contact

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 github.com/willco123

Skills

Languages:

JavaScript/ES6
TypeScript

Front-End Technologies:

React
React Testing Library
HTML & CSS
SASS
WebPack

Back-End Technologies:

Express
Supertest
MongoDb/Mongoose
PostgreSQL/MySQL
RESTful APIs

Tools:

NodeJS
Jest
Playwright
Git/Github
Postman
Firefox Dev Tool

Hobbies

Avid Rock Climber
Video Game Enthusiast

Profile

I am extremely passionate about technology and have been exploring this through software development for just over two years. Recently, I have been focusing my efforts on web-development, using Typescript to delve into the online world and explore various technologies. As someone who is self driven to constantly learn, I am keen to expand my knowledge base and apply my skills as a software developer.

Projects

[Rate a Dog](#) - Full Stack MERN

Developed From scratch, this project is designed with my 4 year old niece in mind as a way to get her to learn about various dogs and their breeds in a simple and interactive manner. Featuring a login and rating system, allowing a user to rate an image and view various dogs and their ratings. The entire stack was written in Typescript.

- Features an "infinite" scrolling carousel, that the user can drag with a mouse or on a touch screen for seamless navigation.
- Makes use of the Intersection Observer API to implement a custom lazy loading strategy, in order to reduce the number of fetch requests to an external API when loading the image data.
- Implements a dynamic loading system for the data on the back-end. Due to the large amount of data, the image data is loaded and unloaded as the user navigates through the carousel, which acts to reduce the total load in the browser.
- Utilises various filters and sorting methods allowing users to navigate the collection with ease, this was implemented using mongoDB's data aggregation pipeline.
- Contains a table where users can see the average ratings of different breeds and sub-breeds.

Youtube Search Api

This project is a simple API written in Typescript. By exposing the Youtube API, a user can search the youtube database for videos or channels that match a query, and store said query in a MySQL database.

Education

University of Southampton - Electrical & Electronic Engineering

(2013 - 2016)

Graduated with a 2.1, Second Class Honors (Upper Division)

Other Employment

HMRC - Debt Management

(Oct.2021 - Apr.2022)

JD Wetherspoons - Bartender

(Jul.2016 - Oct.2021)