Intro

Hi, my name is Matt Cotton.

I am a web developer living in Sheffield, UK.

My background includes 8 years as an electrical engineer in the automotive industry at both Jaguar Land Rover and General Motors (Canada) and a MEng in Aerospace engineering from The University of Sheffield.

To see a selection of my work, visit the projects page.

About

Throughout 2020 I have been actively developing my computer science knowledge and web development skills. I am completing The Developer Academy’s Software Developer Bootcamp and have completed HarvardX “CS50 Introduction to Computer Science” course. This has given me some great experience using Javascript, React, Redux, C/C++, SQL, Flask, Jinja, HTML and CSS. Some of my portfolio projects demonstrate what I have done over this time.

Prior to December 2020 I have worked in several electrical engineering roles in the automotive industry. This includes:

* Being a scrum master for a team developing consumer delivery related products,
* Designing the electrical architecture for a range of eBikes,
* Developing a trailer stability control algorithm,
* Delivering production electric power steering components for Land Rover and Jaguar products,
* And advanced development of self-driving features.

Outside of work I am a keen parkrunner. The cancellation of which during the pandemic has been a huge loss to me and many others. Additionally, I enjoy a good pint of real ale and I am a member of CAMRA. Specifically, I have a strong interest in historic pubs. When I get the chance I enjoy watching Wrexham AFC.

Projects

**Portfolio**

Portfolio screenshot

THIS SITE! Designed to demonstrate my web development skills and projects. Built using React.

**7-Day Weather Forecast App**

Weather app screenshot

A 7-day weather application which uses OpenWeatherMap and OpenCage Geocoding data. Built using the React framework.

**Book List API**

Image of books

An API which is designed to store a list of books and if you have read them or not. Built using Express and hosted by Heroku. Instructions on how to interact with the API can be found in the GitHub Readme file.

**FaceBuck**

FaceBuck screenshot

A React based social media site.

**React Calculator**

React Calculator screenshot

A calculator built using React.

**Any Excuse for a Pub Adventure**

Any excuse for a pub adventure screenshot

A text-based adventure game based on exploring a pub based in Sheffield. Built using JavaScript.

**Whitchurch Quiz**

Whitchurch quiz screenshot

A quiz about my hometown (Whitchurch, Shropshire). Built using JavaScript.

**Jenny & Matt’s Foster Cats**

Matt's foster cats’ screenshot

Jenny & Over the last 3 years Jenny and I have been a foster home for eight of Toronto Cat Rescue's cats. This site includes a brief description of each cat and a selection of photos.

**Caesar Cipher**

Caesar cipher screenshot

A site that will encode and decode a string of text with the given keys.