

Alexander Branagan
Developer Portfolio: <https://www.alexwjb.dev/>
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Personal Profile

I am a Software Engineering graduate with an open and friendly attitude. I have a keen eye for detail which has served me throughout my time as a developer when solving bugs and keeping clean and robust code. A passion for intuitive user interfaces has led me to strive for high standards when it comes to the usability of my projects. I am an experienced and organised independent learner looking for employment in an environment where I can continue to refine my skills as a developer and expand my knowledge.

Key Skills

- JavaScript, HTML/CSS, Bootstrap, VueJS, Java, PHP, SQL, Google Cloud, Google Firebase, Git

Education and Training

Sep 2019 - June 2022 | Manchester Metropolitan
BSc (Hons) Software Engineering (First Class)

Modules: Advanced Web Development, Advanced Programming, Enterprise Programming, Professional Development, Database Systems

2012 - 2015 | Cardinal Langley RC High School
A-Level: Maths (A), Biology (A), Chemistry (B)

Web Development Experience

Cocktail Database Progressive Web App

A passion project that stemmed from time working as a bartender.

- Installable PWA built with VueJS and Workbox API
- Responsive, mobile friendly design via Bootstrap.
- User authentication and NoSQL data storage via Google Firebase

Covid-19 Information Dashboard Website

Developed as part of a small team for the Professional Development unit.

- Acted as lead developer
- Managed development following Agile Methodology with weekly sprints and Scrum meetings.
- Implemented real time graphical Covid data using asynchronous JavaScript to query a UK government API

Cardiomyopathy Experimental Data Compilation Site

Users can upload experimental data, query and compare data on different genetic mutations and view results graphically.

- Utilised features of Vue 3 composition API such as vue router, computed properties, lifecycle hooks and composable functions
- Worked within a small team using GitHub, Trello and Microsoft Teams for project management
- Solved bugs and communicated often with team members to share ideas and allocate workload
- Presented the finished product to an audience with a live demonstration of features

Medical Practice Patient Registration Site

- Client-side (JavaScript) and Server-side (PHP) HTML form validation
- Follows an MVC architectural pattern and performs CRUD actions on a MySQLi database
- Responsive Front End using Bootstrap.

Movie database REST API

REST API for an SQL movie database developed for the Enterprise Engineering unit.

- Programmed Web Servlets using Java
- Developed a front-end website using JavaScript capable of performing CRUD actions on the database using the API
- Implemented CI/CD with google app engine

Employment

Bartender - The Garratt (Manchester) (2017 - 2021)

- Customer facing role serving drinks and food.
- Communicated with customers in an open and friendly manner.
- Worked under pressure as part of a team, acting as manager on occasion.

Bartender - The Wonder Inn (Manchester) (2016 - 2017)

Interests

I'm an avid gamer and work on programming retro 2D games in my spare time. I also enjoy live Folk and Rock music and I am a self-taught guitarist and pianist.

References

References available on request.