

# Freddie Brewin

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Date of Birth 04/03/1998

Highly skilled and motivated front-end web developer with 2 years of experience seeking an opportunity to contribute to the success of a dynamic organization. Proficient in HTML, CSS, JavaScript, and responsive design principles, with a passion for creating engaging user experiences.

## Education

### Cheadle Hulme School

*(September 2011 – September 2016)*

- 3 A/AS levels including an A in maths and a B in Physics.
- 9 GCSEs, grade A-C, including an A\* in Maths and Physics.

### Newcastle University

*(September 2017 – July 2019)*

- Bachelor's Degree in Mechanical Engineering

### Manchester University/Trilogy Bootcamp

*(January 2021 – August 2021)*

- Full stack coding bootcamp learning MERN stack.
- Designed and developed a semi-autonomous remote control car using MATLAB.
- Utilized MATLAB programming to implement various algorithms for obstacle detection and avoidance.
- Integrated sensors and actuators into the remote control car system for real-time data acquisition and control.
- Implemented computer vision techniques in MATLAB to enable the car to detect and analyze different obstacles in its environment.
- Collaborated with a team of engineers to ensure the successful integration of hardware and software components.
- Conducted rigorous testing and debugging of the MATLAB code to ensure the reliability and accuracy of the car's autonomous navigation system.
- Participated in multiple obstacle course challenges to demonstrate the car's ability to maneuver and navigate through complex environments.
- Documented the project progress, methodologies, and outcomes in comprehensive reports and presentations.

## Skills

- Proficient in HTML, CSS, Javascript (CommonJS and ES6), Typescript as well as python
- Experience with frontend frameworks such as React and Next.js
- Solid understanding of back-end technologies like Node.js, express, mongoDB
- Excellent problem-solving and debugging skills
- Experience with RESTful APIs and AJAX
- Strong attention to detail and ability to meet deadlines
- Strong understanding of responsive design principles and mobile-first development

## Experience

### **Knokcare - Porto, Portugal**

#### **Quality Assurance Engineer - Full Time**

*(October 2022 – Present)*

- Executed test plans, recorded results and maintained bug tracking system for software testing process.
- Collaborated closely with the frontend development team to understand project requirements and ensure quality in the frontend deliverables.
- Conducted comprehensive testing of frontend components, including user interfaces, responsiveness, and cross-browser compatibility.
- Developed and implemented a new automated test process, migrating the test automation process from Robot framework in Python to Playwright in JavaScript, which enhanced efficiency and accuracy of frontend testing.
- Utilized JavaScript and Playwright to write test scripts for frontend automation, allowing for repeated testing of critical functionalities and reducing manual efforts.
- Identified and reported frontend and backend issues, bugs, and inconsistencies, working closely with the development team to troubleshoot and resolve them effectively.
- Actively participated in sprint planning, daily stand-up meetings, and code reviews, providing valuable insights from a quality assurance perspective to improve the frontend development process.
- Collaborated with UX/UI designers and frontend developers to ensure that the user interface adhered to design specifications and delivered an optimal user experience.
- Worked closely with the development team to ensure continuous integration and delivery (CI/CD) practices were followed, guaranteeing the quality of frontend code throughout the development lifecycle.

## **Arclight Studios - London, England**

### **Junior Full stack web developer - Part Time**

*(January 2023 – Present)*

- Collaborate with a team to develop and maintain a responsive website using Next.js, Express, and AWS, ensuring optimal performance and user experience.
- Implement front-end designs and translate them into clean and efficient code, adhering to industry best practices and web standards.
- Conduct code reviews and provide constructive feedback to team members, promoting code quality and continuous improvement.
- Debug and test front-end components to identify and resolve bugs and issues, ensuring a smooth and error-free user interface.
- Work closely with designers and stakeholders to understand project requirements and deliver high-quality web solutions.
- Continuously explore and learn new technologies and frameworks to enhance development processes and stay up-to-date with industry trends.

## **SyntellaAi - Manchester, England**

### **Co-founder / Full stack web developer - Part Time**

*(April 2023 – Present)*

- Contribute to the development of an innovative app that utilizes vector databases and leverages OpenAI to create a variety of powerful AI tools.
- Maintain a full stack application using MongoDB, Express, Node.js, and Next.js, ensuring its robustness, scalability, and security.
- Collaborate with a multidisciplinary team to implement features, enhance functionality, and optimize the app's performance.
- Implement efficient data storage and retrieval using MongoDB, enabling seamless integration of large datasets into the application.
- Conduct thorough testing and debugging to identify and address any bugs or issues in the application.
- Continuously explore and implement new technologies and frameworks to improve the app's capabilities and user satisfaction.

## **Third Find - Manchester, England**

### **Frontend web developer - Part Time**

*(August 2023 – Present)*

- Spearheaded the frontend development of a 3rd party affiliate marketing platform,

focusing on seamless user experience and efficient data presentation.

- Utilized Vue3, Nuxt.js, and Tailwind to design and implement a responsive, user-friendly interface that showcases second-hand luxury bags from various retailers.
- Collaborated closely with backend developers to ensure efficient data fetching and display, resulting in real-time updates for users when browsing and comparing items.
- Applied best practices in frontend development, ensuring that the platform is both scalable for future features and compatible across a wide range of devices and browsers.
- Assisted in troubleshooting and resolving frontend-related issues, refining the platform based on user feedback and analytics.
- Collaborated with UX/UI designers to guarantee that the platform's visual design matched the brand identity and ensured an intuitive shopping experience for users.
- Actively participated in team meetings, code reviews, and brainstorming sessions, providing valuable insights from a frontend perspective to drive the platform's evolution.