https://ewanmorrison.co.uk

Ewan Morrison

I am a **motivated full stack** software engineer with a **passion for the front end**. I have a lot of experience working with modern web frameworks including **React** and **Angular**. I have also designed **backend microservices** in **C#** and **NodeJS** and have maintained **mobile applications**. I take great **pride** in my work and I love being given the responsibility to **take ownership** of my solutions. As well as this I like to contribute to **open source** software, and I have quite a few **side projects**. I'm very open to learning **new technologies**, especially anything related to **functional programming!**

Experience

Spark Energy September 2019–Present

I am currently working on the **digital team** responsible for the tools to help customers manage their energy accounts. In this role I have worked on creating a **design system** with **bespoke React components** and used this to develop intuitive applications to help enable Spark's customers. I have also **architected build and deployment pipelines** and integrated **end to end testing** solutions.

Another project involved rebuilding the account management portal in React, including a **redesign from both a visual and product perspective**. I used **monitoring platforms** to identify problems and improve the quality of our solutions. I felt like I was wearing both a **UX and front end engineer** hat and I really enjoyed that opportunity.

I also maintained the existing mobile application and began designing the architecture of what would have been its modern replacement. I explored a **range of frameworks** and weighed up the benefits and disadvantages of different approaches. I made small **proof of concepts** in both **React Native** and **Flutter**. I learnt how to **build, deploy and manage apps** on the app stores.

Craneware July 2018–September 2019

This role exposed me to a wide range of technologies and gave me a great opportunity to **hone my skills**. I worked on many **high impact projects**, ranging from implementing a new **authentication system** for a large product suite, feature delivery, addressing critical security issues to rewriting and enhancing **legacy front end code** into performant **modern Angular**.

As part of one project, which had begun during my personal development time, I **led a team of interns** to rewrite legacy front end code, and **liaised with UX and product** to simultaneously **deliver enhancements**. This was a great opportunity to **mentor and nurture** the interns' skills.

When developing new features, I followed the **TDD approach** of starting with unit tests. This provides me with a solid foundation from which I wrote **clean, efficient and expressive code**. I enjoy using many features of a range of programming paradigms and I understand the benefits of different approaches. I have read books about **OOP design patterns** and taken courses in **functional programming**, each having a **significant impact on how I write code**.

Education

Edinburgh College of Art - Graphic Design Night Class 2020

I took part in a Graphic Design night class to improve my design skills. I learnt about the use of **typography, colour** and covered a lot of the **fundamentals of good design**. It was a very enjoyable class and I've been able to **apply the concepts** I've learnt about here to both my **work and personal projects**.

The University of Edinburgh - Physics BSc Hons (2:1) 2015–2018

I was awarded an upper second class honours physics degree. My time at university gave me a very solid **grounding in mathematics** and **logical thinking**. It also taught me how to approach problems in **intelligent and novel ways**.

I focused on **programming based classes** and tackled challenges such as efficiently **simulating complex systems** (including a quantum processor), creating **machine learning** based prediction models, and statistical **data analysis**. The majority of my coding was done in **Python**.

St John's Academy - Secondary School 2009–2015

My achievements at school also include being awarded the **best grades in my year** and winning the **school Dux medal**. I was awarded **3A's at Advanced Higher** and **4A's and a B at Higher** for subjects including Spanish, Physics, and Maths.

References

References are available upon request.

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