

# Iwan Moreton

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## Profile

My interest in computing started whilst I was in secondary school, I would often explore developing applications and game mods through following online tutorials. This was enforced during my Computer Science course at university where I further expanded my knowledge of different technologies and languages both through the projects required by the course, but also from attending hackathons in my spare time. The nature of the degree allowed me to further my analytical and problem-solving abilities and convinced me that a career in technology would be for me. University not only helped me realise that I really enjoy developing software, but also that I enjoy improving my programming knowledge and want to learn more.

## Education

Sep 2017 - Jun 2020 - City, University of London – BSc (Hons) Computer Science

Sep 2015 - June 2017 - Accrington Academy Sixth Form - A-level History, ICT and Maths

Sep 2010 - June 2015 - Accrington Academy - 11 GCSEs A-C

## Certifications

March 2021 - Azure Fundamentals (AZ-900)

## Technical Skills

- Python	- SQL	- Django	- Kubernetes
- Flask	- Azure	- ReactJS	- Java
- HTML	- macOS	- JavaScript	- Linux
- Git	- Windows	- Jenkins	- Ansible
- Docker	- Terraform	- NGINX	- Go

## Projects

Allergen Tracker - 2020-

For this project I created an application that would allow a user to scan a food items barcode, this would provide a warning highlighting the potential allergens. For this project I decided to use Go, as I had not had the opportunity to use the language before and wanted to learn Go in a practical way.

QA Micro Service Application - 2020

For this project I was tasked with developing a micro-service architecture web application. The focus for this was mainly on the CI/CD pipeline used to deploy the application, with the application itself being a set of simple Flask applications. The application was built using four separate Docker containers being orchestrated using Docker Swarm. This was built and deployed through the use of Jenkins and the Blue Ocean plug-in, with the testing of the application, the building of the Docker images, the set-up required on the GCP hosted VMs and the configuration of the load balancer all being automated through the use of a Jenkins pipeline and Ansible.

QA Event Tracker - 2020

This project involved creating a web application allowing users to track events. For this I used an array of tools including Flask, HTML/CSS and a GCP hosted MySQL instance. This application was deployed on a GCP VM using Jenkins and GitHub web hooks for automated deployment.

#### Final Year University Project - 2020

For this project I designed a news aggregation web application using Django for the REST API back-end and ReactJS for the front-end. This application used a machine learning algorithm that categorised articles based on the text within the title and description of the article. This project allowed me to gain experience with data and ML algorithms, as well as gaining experience in the use of JavaScript and ReactJS as technologies that I hadn't previously used.

#### Online Calendar - 2020

For this project I designed a cloud based calendar application that was hosted using Kubernetes. The application was written in Python using Django with the frontend being HTML with various JavaScript elements.

#### Personal Website - 2020

I created and built my personal website using HTML, CSS and JavaScript.

### Transferable Skills

**Team Working** - Throughout my role as a Supermarket Assistant at Waitrose, I have worked as part of a team supporting my colleagues. In addition I have worked in various teams during my studies with ease and great success.

**Analytical Skills** - During my studies I have built excellent analytical skills with them being required throughout my education. During my A-level studies I was required to study and analyse sources throughout with this being a key factor in my History studies. This was built upon further during the completion of my final year project at university as I was required to analyse various data sources when developing the machine learning algorithm required to sort the articles in my news aggregation application.

**Communication** - In my Supermarket Assistant I regularly interact with customers, providing support and guidance for their queries and needs. I endeavour to ensure that customers leave the store happy and satisfied by listening carefully to their queries and needs and providing the assistance they require efficiently and effectively.

### Employment History

#### Trainee Consultant, QA - 2020-Present

During my time at QA I have developed various skills involving cloud computing and DevOps technologies. As shown in the projects section, I have been tasked with using this knowledge practically within multiple projects. Completing these projects has allowed me to gain confidence and valuable experience using an array of technologies that I had not had previous experience with

Supermarket Assistant, Waitrose and Partners, London - 2018–Present

- Customer Service
- Stock checking and replenishment
- Inspecting displayed food stocks to provide items for discounted sale
- Providing support with customer queries
- Receiving and checking deliveries

#### Interests

- Football (Burnley)
- Current affairs
- Politics
- New tech releases