## Qualifications

MPhys. Physics, Swansea University, 2018

## Profile

Prior to university I had no experience with any programming languages, however, in my second year I was introduced to Python for the first time. It was at this moment I realised the true power and seemingly limitless potential of programming. In my later years of university, I began writing Python scripts to assist with problems I faced everyday as a physics student. I wanted to develop these skills and be able to create applications and learnt some skills to help create the front end…..not finished Naomi.

My interest in the IT industry initiated during my Engineering course at university. I was part of many group projects where I was always learning about new technologies and I also used many software-based systems such as MATLAB in order to complete assignments. The nature of my degree allowed me to become a very analytical-minded individual and also made me very keen in pursuing a job in a technology-based environment.

After University I decided to work in the computing field, specialising in the hardware side. Whilst I valued this experience, I realised that I much prefer the software aspect of technology as it allows me to implement my programming knowledge and learn further.

Technical Skills

|  |  |
| --- | --- |
| **Technology Domain** | **Technologies and Tools** |
| Programming Languages | Python, Mathematica, Matlab, Java EE, Java SE, React, JavaScript, HTML, Springboot, CSS |
| IDE’s | Eclipse, Spring Tool Suite, Visual Studio Code |
| Operating Systems | Windows, Linux(Ubuntu and SUSE), MacOS |
| DevOps Technologies | GCP, Jenkins, Git, Docker, Wildfly |
| Database Technologies | SQL, H2 |
| Project Frameworks | Agile Scrum |
| Testing | Selenium, Cucumber |
| Other | GitHub, Postman |

## Experience

### QA Consulting – Consultant

#### Soft Skills

Whilst at QA Consulting I learnt and built upon many soft skills such as presentation and communication skills. These skills were honed through an initial case study regarding NB Gardens, a fictional company, looking for a consultancy firm(us) to produce potential solutions for improving the business.

#### Spring Boot Ticketing System

I was part of a team that created an enterprise project from beginning to end based around a cinema ticket ordering system. The application gave the opportunity to use spring-boot technologies with a PostgreSQL database to store and retrieve data, which would then be connected to a number of different front-end technologies.

My responsibility focused more around the front end of the application. I implemented a fully designed and integrated front-end site using the VueJS framework, which I would then connect to the Spring Boot backend. This involved working with REST API’s and connecting the two layers of the architecture through Axios, a plugin designed to deal with all POST and GET requests between the server and the front-end site.

#### Learning Management System

I was part of a group project which involved building a Learning Management system using micro-service architecture. My role was to assist in building the backend which involved the use of java in the form of Spring Boot.

In addition to working on the backend I built the frontend using React JS. During the second sprint, I was part of the tech team where I reviewed the code written by the developers and made sure the code was functioning correctly, so it could be pushed on to the feature branch on GitHub and helped other team members when they needed it.

#### Individual Project

I created an individual project focused around creating an application around the popular video game Pokemon. Using the knowledge gained throughout the training, I was able to create a project that would simulate a Pokedex – which is essentially a database of all Pokemon and their information.

The project involved creating a back end in Java which would be linked to a ReactJS front-end. The project was hosted on an Amazon Web Service EC2 instance, allowing for public access to the application. I utilised a Mongo database to store all of the information, which would then be retrieved through a REST API and presented to the user.

## Additional Information

|  |  |  |
| --- | --- | --- |
| * First aid at work | * Manual / Heavy lifting | * Fire Prevention training |
| * Presentation skills | * Full, clean driving license | * Health and Safety at work training |

## Hobbies/Interests

In my spare time I am a keen sports enthusiast, partaking in regular games of touch rugby, basketball, football and cricket. I also have represented my university in shooting, winning the Welsh Universities Champion 2016 in the process.

I also enjoy listening, playing and writing music. I have been playing guitar for the past ten years and strive to improve my playing and composing skills. I continue to learn new technical skills. Recently I have been learning video and photo editing suites to use on various marketing campaigns, t-shirt logos and travel videos.