Jonathan Walker
Software Engineer

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PROFILE

I am a highly ambitious, enthusiastic and motivated Computer Science Graduate, who thrives on continually trying to improve myself and learn new skills and technologies to produce better software products.

PROJECTS

Beacon | Intelligent aggregated student services platform
Final Year Project | React, JavaScript, Python, Firebase
- ▶ A web platform to join university services together via a singular intelligent interface.
- ▶ I leveraged existing google cloud services to facilitate an intelligent chat assistant which used Natural Language Processing to understand the sentiment of a users request. This sentiment was then used to tailor content for the user specific needs.
- ▶ I deployed this project to Firebase cloud hosing which enabled me to work in a CI/CD environment to enable effective and constant updates with my supervisor.

Search Engine | Micro service architecture search engine
Cloud Computing Project | React, JavaScript, Python
- ▶ I was responsible for architecting, writing debugging and testing several micro services which ran in a dockerised linux environment orchestrated with kubernetes deployed to google cloud services.
- ▶ All services were deployed via a CI/CD environment, these pipelines included tests to ensure all services communicated to each other in an expected manor.
- ▶ Within my kubernetes cluster I provisioned Prometheus and Grafana in order to monitor the health of the cluster.

YOUR Mental Health | Mobile App to track mental wellbeing
Personal Project | Xamarin, C#
- ▶ A mobile application to enable users to track their emotional wellbeing over time which intelligently prompts users whom I feel are most at risk.
- ▶ I am currently have an interface to facilitate the recording of the users wellbeing on a given day.
- ▶ For this application I plan to visualise the data recorded over time to enable a user to clearly see their mental health progress as they make deliberate changes to their daily life.

EDUCATION

Queen's University Belfast
BEng Computer Science | 2:2

During my time at Queen's University I have been an active member of several societies, such as Queens Computing Society. This opportunity has allowed me to work as a member of a small team to efficiently and consistently facilitate our offering as a society.

I have been an active course rep throughout my time at University, this has enabled me to gain a variety of new skills including the collection of feedback and the ability to convey controversial points in a non judgemental and constructive manner.

Modules Included;
- ▶ Software Engineering processes, principles and practices - 67%
- ▶ Cloud Computing - 62%
- ▶ Artificial Intelligence and Data Analytics - 61%

South Eastern Regional College
BTEC Level 3 90 Credit Diploma in IT | Distinction*, Distinction*, Distinction*

LANGUAGES

JavaScript, Python, Java, C++, R, MatLab, C#, HTML / CSS, SQL

FRAMEWORKS / TOOLS

React, Firebase, GIT, NPM, Linux / Ubuntu

EXPERIENCE

Argos
2016 – Present
- ▶ Active member of a 40+ person team.
- ▶ Effectively engage with customers and colleagues.

VOLUNTEERING EXPERIENCE

Peer Mentor
Member of a 20 person team providing mentoring sessions for fellow students. These sessions were aimed at providing additional support for those who have been struggling with the content on their modules.

Mental Health Ambassador
Coordinator and member of a 12 person team providing tailored help to empower students to take control of their mental health. I attended and facilitated Mental Health training, additionally I was responsible for organising a hackathon in collaboration with Microsoft.

International Buddy
I was a direct point of contact for 5 international students. I was responsible for mitigating any ongoing concerns that may arise during their University Career.

EEECS School Volunteer
Help to facilitate events throughout the school to promote our courses to prospective Students.

AWARD

Regional Customer Hero Award
Recognition from colleagues and customers for going above and beyond to enhance the customer experience