Chapter Two

By

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I hereby certify that this project and supporting documentation which I now submit for assessment by the Department of Computing, Institute of Technology Tallaght, on the programme of study leading to the award of

**B.Sc.(honours) in Computing**

***is entirely my own work, except where acknowledged, and has not been submitted for assessment for any academic purpose other than in partial fulfilment for that stated above.***

***Signed: \_Graham Lalor\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_***

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**Work undertaken**

So far I have been working in Fidelity Investments for two months, during my time there I have learned so much more than another college semester would have taught me. It has given me a better understanding of the day to day work life in a technology based career role. It has also allowed me to see how some modules really do play a part in our future career although it might not feel like that while studying the modules in college.

In my first few weeks in Fidelity Investments I was given the chance to dabble in a small bit of Docker containers while getting to grips with some of the tools I would later come to use in a lot of my day to day work.

I have been working as part of an agile team on a single project. We have a scrum master who controls the work that is required for the project. This scrum master uses tools like Jira story boards to allow us assign tasks to be completed for each release and report bugs that are found in the projects that are required to insure the project is finished on time and to Fidelity Investments high standard. This is a great method of keeping track of work completed so far and the specific tasks that are still required to complete a project because of this I am considering implementing it in future projects.

I have been assigned tasks that fall under two main roles these are user testing and development. I was tasked with testing the application that is being developed by my team. This testing not only allowed me to get hands on with the code but also allowed me to see how the application is supposed to function. This really helped too fast track my learning experience of the new framework. But also gave me a key insight into the bug reporting process that is involved in projects like this.

The application is being developed using a relatively new framework called Ionic that utilises AngularJS to create cross platform web based applications. I have been adding multiple features to the application involving enabling me to demonstrate my knowledge in both JavaScript and HTML this also requires me to test my changes on both Android and Apple devices.

Thus, the one module I feel that I have used the most is Web Design and Development as a lot of my work discussed above revolves around this topic. From the basics taught in first year to the introduction of AngularJS version two. I have been required to use this information provided in the introduction to AngularJS version two in my time in Fidelity Investments as the version of Ionic we are using utilised AngularJS version one.

Although there are a large number of differences between version one and two. But the basic understanding I gained from the module studied allowed me to quickly grasp what the application was doing in the background.

The time I have spent so far in Fidelity Investments has enabled me to see why we are taught the curriculum put forward in college. Although I might not have used all modules during my time in work so far I have definitely seen aspects of nearly all modules being used within Fidelity Investments. Thus I believe the work undertaken during my time so far in Fidelity Investments has a strong relationship with the knowledge gained in college so far and has motivated me to apply myself better in all subjects and not just the ones I enjoy.

**Critical evaluation**

My time in Fidelity Investments has only strengthened my beliefs that I have chosen the right career path of software development. I have always been active with computers but it is also something I feel comes naturally and truly enjoy software development. Although the majority of the work I have done so far is more web design orientated I have used a bit of my software development knowledge and skills that I have gained from the academic arena in college.

During the short amount of time I have been working on the project I have reported and implemented fixes for key features in the application. I have also been tasked with implementing many key features within the application that have increased the level of security and validation within the application.

Because of this I believe that interns play a key role within Fidelity Investments. All of my contributions have been checked before implementation and corrected if there have been any adjustments are required. The best part about this is process not only allows the intern to contribute to programs that will be widely used. But also provides many learning experiences for interns to learn new ways of implanting certain things but also learn better programming styles and methods.

In all I believe an internship is a must for all students as it provides students with a great learning opportunity that a semester in college cannot provide.