February Monthly Report

X00111602

Conor Griffin

The Department Of Social Protection

Week 1 - Training

30/01/17 – 03/02/17

We were given an introduction to the company, had to sign all the paperwork and then given a brief history of the department and all of its services provided. After lunch we went to the departments building in Parnell Square East, where we met three officers who will be training us for two weeks before we go out to work our stations, I will be working in the departments building in Kilmainham. We also learned how to use the company's intranet site Stor, which offers all of DSP's different sites and services. We were given our company emails, a username and password to logon to the system. We also gained an understanding of Agile & Scrum Development. One of our mentors Gary discussed with us about all the different aspects of Agile development and allowed us to gain an understanding of all the different principles of Agile. Agile software development is a lightweight software engineering framework that promotes, iterative development, close collaboration, constant communication, and tightly knit teams.

Week 2 – Training

06/02/17 – 10/02/17

This week working for the department of social protection myself and the other interns completed our second and final week of training before we start in our official positions on Monday. This week we mainly focused on building MVC Web applications using the ASP.NET Framework in Microsoft Visual Studio 2012. We developed the apps in C# which for me was great because I have never done C# before so learning a new language was really good. The Web application’s we made were ASP.NET MVC 4 Application’s using the entity 5 framework in visual studio. The website was a Universities site and included functionality such as student admission, course creation, and instructor assignments. The site looks at its students, courses, departments and instructors. It was called “Contoso University,” Users are able to view and update student, course, and instructor information. The Home page has a Navigation bar displaying all of the different options. We had to create a new database which was generated in an initial create file, this created the tables based off of our code.

Week 3 - Started In Con Colbert House, Kilmainham

13/2/2017 to 17/2/2017

This week I started working in my official position for the next 6 months. I am located in Con Colbert House, Kilmainham. I was assigned my desk and met all of the team, I am working for the release team. They are responsible for the merging of projects before they go out live, they also review code of projects and fix and send projects to testing teams. On the first day I was also allowed to be present for a conference call which I found very interesting. We went to a meeting as well where a new project that is to be developed next month was discussed, and an approach to the tasks to be performed was decided on. Throughout the rest of the week I configured my PC's environment for app development, this involved configuring PowerShell to set up a profile, so that I could build and run scripts.

Week 4 - Assigned to new project

20/2/2017 to 24/2/2017

I had my daily stand up where I discussed with my team what I was doing today and what I aimed to get done. I was told by my team to go and learn PowerShell because I will be using it a lot over the next 6 months. I was sent a pdf Learn Windows PowerShell in a month of lunches by Don Jones and have been reading it every day. I was also told to learn C# as that is the language that is used in the work place. I went online and browsed tutorials on C# programming. I was told I would be joining a new team and helping them work on a new project. I went to a meeting on Wednesday and met the new team and discussed the project. The project involves changing the company’s system architecture and developing a new platform and introducing the use of git and Microsoft TFS to better enhance the merging, developing, building and running of projects. I also had another meeting with the team and discussed the project, my goal in the meeting was to try to fully understand how we were going to implement the new way of changing the system architecture and how git was involved. We were given a demonstration of the processes that are involved in order to complete tasks in the project. Initially the entire structure and codebase will be mirrored into git so as to not affect the current system, then we will start to take bits of code out from the real system. The intention is that each git repository contains the code for a single BOMi artefact (made up of components, modules, clusters), broadly corresponding to a single C# or VB project, with supporting tests. These might be for a piece of infrastructure, or could be a cluster.