**3 Month Presentation**

**Nathan Crowley 06/07/2021**

**Include:**

* **Intro & What college / course**
  + Thanks for coming everyone, my name is Nathan Crowley.
  + So just a quick introduction of myself, before Clearstream I am currently study Computer Science in UCC.
  + I am just after completing my third year of college with a **First-Class Honours**.
* **What dept in Clearstream**
  + I started with Clearstream on the 22/03/2021.
  + I am employed as an **IT intern – developer** working in the Vestima Prime Department.
  + I have enjoyed my time with the Development Team everyone has been very *friendly* and *helpful* for when I had any questions.
* **What you done so far**
  + **SQL script** for cutovers update database of automated email replies with placeholder for ‘[Confidential Text]’ 13/4/21
    - **Update Java** code in *jccs* for replacing the placeholders, and update **XML** with the text that is going to replace the placeholder.
    - Why is it needed?
    - Run Cutover process (putty/WinSCP) steps 1-4
    - DDL / DML checks in SoapUI to test the cutover successful or not.
      * Swap? for my xml
      * Get OK
    - Commit process 26/4/21
  + **Java JSP/Servlet file uploader Mr. T** - 27/4/21
    - Used to speed up the process of uploading directly to MR.T as an EPR doesn’t need to be raised with the use of my file uploader !!!
    - What is an EPR?
    - html form taking file input, handles the processing, uploads file to ‘/jccsbin/jccs/data/messagetransformationengine’
    - send response saying the upload is complete
    - JSP: **html form** to get file upload and pass the content to the servlet
    - SERVLET: **java class** that override **doPost** servlet function and parses the file and uploads to the given upload directory.
    - Deploy to localhost for testing first
    - Then, Deploy to Dev process
  + **JIRA** process for tickets
  + **DMS** research
    - Why is needed?
    - find open source cloud DMS in java that has API
    - list top 5 and then go into more detail for top 2
* **What you will be doing** 
  + Putting the DMS research to use!! Developing a standalone APP inside a virtual machine to test out the best DMS from my report.
  + Interacting with the API and ensuring that the DMS is suitable to the team and has the correct functionality.
* **What you enjoyed**
  + As I said the team has been very friendly and helpful.
  + Every Friday the team have a 30-minute quiz to relax and have some fun at the end of the work week, I even got the chance to host the Quiz on my second or third week.
    - This was especially helpful with the current situation of working from home as it was a great way to introduce myself properly to the team and get involved.
* **Where you think they could improve**
  + I believe this company is very well run and all the staff are great
  + maybe the skype messenger could be looked at as I lost a few messages with managers or received them later than expected.
* *Managers asked if they have questions (normally how you heard of clearstream/ why you applied)*
  + I read the job description given by UCC careers department and was excited by the description.
  + I also had a close friend who completed his placement with Clearstream last summer and he had great things to say about the staff and company culture.
  + Also Clearstream gave a presentation to computer science students in year 2 and I was very impressed.

------------------------------------------------------- EXTRA ----------------------------------------------------------

* Presentation on Hedge/mutal funds and about Clearstream 22/3/21
* First day in office, office tour and HR presentations 22/3/21
* Daily stand ups 9.30am with my team everyone friendly and welcoming
* Presentation on how the Vestima system works and flow chart 26/3/21
* **DMS** proof of concept standalone APP
  + **API** call to where documents are stored to store/retrieve/view doc.