Individual Reflection report

Data Engineering

Roehampton University

2023

This reflective report focuses on a data engineering module studied in the spring term of the final year of BSc Computer science. At present all the four sprints are completed and uploaded for scoring. The aim of the four to five months length project is to automate data and information gathering and collection with the purpose of finding knowledge and discoveries. This is an Agile style project of four people, but my project has only one person, me.

From “Coursework Specification” the first important requirement (bold text) is to work as a team. From personal experience in software engineering like student, and summer holidays in 2022 like UK resident, I discovered that students around me are not how I was thinking and expected at the beginning of university. Plus, I just calm and wait someone will take the initiative to form a team with me. I did not try to make a team like last year in software engineering. The plan was just to be patient and wait for someone to ask. Another interesting and unexpected experience is from sprint 3 where the deadline for submission was only available few hours. This made the preparation of Sprint-3 very fast. The change in requirements and agile was put in place of the team of one person. Finally, I am negatively surprised because of the use of Google Cloud from Google. When I started university in September 2020, one of my goals was to work in the placement year (after finishing the second academic year) for Google because payment is huge compared to competitors in the same area; or work one or two years in Google, make some money and retire. Online, from my own private information, is circulating that in NY and California (US), Google was paying 200 K USD about 10 or 12 years ago. While studying at university, I learned that Microsoft is better. Microsoft is a corporation and has social and human responsibilities. Google is a LLC, and at present Alphabet is an Inc. Incorporation or Limited Liability Company is the initial foundation of how organization started, is working and will work.

The module showed a lot of technologies that I never seen before. I understand the idea of what data engineering is, but I think that future employees need to organize training. Working in the cloud with Microsoft or Google is difficult, and very extensive and sophisticated platform with many possibilities and configurations. Good companies invest in training and offer good experiences to employees like breakfast in the morning to motivate the employee to go to the office. Use of taxi if employee require it. Activities out of work, like Christmas event, Easter week travel to the zoo in another city or country. Accommodation solved by employer. Coffee machine in each floor of the office with healthy fruits, no snacks or trans fat cakes. But UK is not that type of country exactly. I think, I can find this place but will be hard and difficult. The opposite way is to find a job and be patient without ambitions or motivations; get paid to have a decent life and play the role\* in the job.

Personally, I am in favor of giving to the people the job that each individual person will enjoy, with a lot of benefits, and with good payment.

Links to project management:

[1] [antonyitki/Data-Engineering: module last year BSCs CS (github.com)](https://github.com/antonyitki/Data-Engineering)

[2] [Task board - Data Engineering - Tony's Company (teamwork.com)](https://tonyscompany23.teamwork.com/app/projects/744120/tasks/board)

[3] [Pipelines - antonyitki/Data-Engineering (circleci.com)](https://app.circleci.com/pipelines/github/antonyitki/Data-Engineering)

# References

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| [1] | GitHub. [Online]. Available: https://github.com/antonyitki/Data-Engineering. |
| [2] | Teamwork. [Online]. Available: https://tonyscompany23.teamwork.com/app/projects/744120/tasks/board. |
| [3] | CircleCI. [Online]. Available: https://app.circleci.com/pipelines/github/antonyitki/Data-Engineering. |

\* play the role means to do an effort or using the head and mind. Not natural or pleasant situation or behavior.

###END###