UNIVERSITY OF NAIROBI
COLLEGE OF BIOLOGICAL AND PHYSICAL SCIENCES
SCHOOL OF COMPUTING AND INFORMATICS

INDUSTRIAL ATTACHMENT BRIEFS

Name of Student: Nyagaka Imaya Dismas
Registration No: P15/1495/2013
Institution Attached: Moringa School
Period of Attachment: Mar – April 2016

Objectives
1. Exposure to industrial work environments
2. Active participation in creating practical solutions using knowledge learnt
3. Build professional networks with potential employers

Activities Undertaken
1. Android Development
    a. Evrybit - An Android Application for a company from San Francisco.
        i. Splash screen
        ii. Material Menu drawer
        iii. Hashing of passwords
        iv. Use of Picasso and Retrofit libraries
        v. Integration of libraries
        vi. Use of Material Design Principles
    b. Personal Applications
        i. Fan4Fun – An audio and video streaming from Soundcloud and YouTube respectively
        ii. InfoPark – An app that provide tourists with information about the parks found in Kenya

2. Agile Development Methodology
    a. Setting up a SCRUM Board
    b. Sprint planning
    c. Stand up meeting
    d. Sprint Reviews
    e. Presentation

3. Web Development
    a. Built an IMAX website with a very cool front end design, seat preview and reservation module with an option of payment.
    b. Built a personal website.

The web development was done in a language and they were more of personal projects and had nothing to do with Moringa School though this was encouraged a lot.

Lessons worth Sharing

"Winter is Coming", this is the word that you will not spend even a single a day at Moringa School without hearing it being thrown in the air. It was symbolic meaning that you are going through difficulties but you are yet to see tough times and period. It always prepared you to be ready to tackle the challenges that are presented to you each day. For sure, this was not easy and it dawned on me that things will never be easy, not any time soon.

It was in this momentum that I found myself doing Java and later settled on Android, a development field that I had no idea of nor the skills. Before Moringa I had focused and majored in Web Development. At Moringa, you had to struggle to become better than yesterday. As Frank the co-Founder used to put it "Sleep is for the weak" – Yearn for success as much as you would like to sleep when sleep deprived. The hustle always was to push yourself from the comfort zones.
The pressure to deliver was so intense and at some point it seemed impossible, felt like giving up, but with determination, resilience and the right attitude, you got back on track and on toes and really pulled off a great product."You say you have worked under pressure in CVs, prove it now. Advice to take home, Expect crazy deadlines at the job market" – Frank Tamre.

Group and team work was the talk of the day. I realized there is no company you will work alone, I will be required to work with others. Collaboration tools and version control was always the order of the day. Github, Git and Trello are very crucial to the life of a developer.

Despite of the pressure, Moringa School was a lot more fun. The supportive Moringa School community, awesome colleagues, really encouraging friend who will jokes and made the stay at the institution bearable. There a times you would get frustrated with an error, and sometime you would rejoice to see and error. This something someone else wouldn't understand if he or she wasn't part of the Moringa family.