Project Semester 5 (IoT)

Career Development Plan

Project Title: <Career Development Plan>

Student Name: <Emily Lukuta>

Student Id: <20079889>

1. Career Development Plan

1.1. Personal Audit

I am a 20 year old Iot undergraduate engineer. I'm quite passionate about my course as I have always been a innovative individual since I was as young as 5 years old. My dream job has been to be a electronic engineer as soon as I understood the meaning of that term. My inspiration came from Tony Stark the lead actor in Iron Man. As a 8 year old girl, straight after the movie ended being amazed by the next-level out of this world technology I had just witnessed, still in awe during the credits of the movie, I told myself I was going to build better machines than Tony Stark ever did. At that time I was living in one of the poorest countries in the world Zimbabwe, the environment was very dull and no technological advancements at all. I came to Ireland at 10 years old and with the proper education system I was now receiving in Ireland it was quite evident that I excelled in maths more than I did with the other subjects despite the fact that I had very poor education due to bad economy in Zimbabwe and may other challenges which I faced, in which up to 10 years old resulted me in only having learnt mere basic fundamentals in maths and almost little to no English.

However, despite my upbringing I have many key strengths as a individual, I'm a fast learner, I'm determined, I'm self-confident, I'm optimistic and I'm hardworking. These key strengths have helped me be where I am today.

One of my advantage key strengths is that I have worked in numerous places before. I was hired as a Applied Computing Intern with the company Inkel.health in whom I worked with for 6 months , I designed and coded their Inkel.health tracker application. I then managed to be hired as a Technology Developer Intern with the company Optum for 3 months during the past summer who then extended my contract and asked me to stay on for two more weeks. I then managed to secure another job with Johnson Controls in Cork in which I have signed the contract for , il be working with them for 6 months from March till mid September in 2021 as a IT Global Operations and Technology Intern working on Networks.

Alongside industry related work placement I have worked in a number of ordinary places before which has built my people skills , it has helped me to be able to well analyse peoples characters , taught me how to behave within a workplace , taught me what is expected of me and what is expected of a company before I accept a job, taught me many skills within a workplace. I have worked at the Donut Bar in Tramore for 6 months, I have worked at ShakeDog on the Cork for 1year and 8 months and I worked in Circle K Dunmore Road for 3 months.

Another one of my advantage key strengths that really help me in my career is that I have had many interviews with a lot of companies and had quite a number of job offers. This has built my self-confidence and ability to excel in my interviews. I've had interviews with Google, Facebook, Stripe and have even gotten a internship job offer from Amazon alongside but I chose Johnson Controls as the pay was more than Amazon.

I also have many skills which will help me in the future to secure my desired job. These are technical skill and other field related advantaged skills. These technical side skills include Java, Python, JavaScript, HTML, SQL, C++, Linux and Ubuntu, my other skills include Packet-tracer, Raspberry-Pi, Arduino Uno, Pycom(Adafruit), Node.js, Rally , Confluence and Postman. These are that I gained in college and gained within my work placements.

1.2. Goal Setting

My future aspiration is to be a successful businesswoman. I want my own future successful website making company named StyleTheCode. This goal may seem unrealistic to others but seem so tangible to me. I've chosen this route of success as I have started a small website making company with my friend who does Information Technology in WIT. We have gotten a couple of customers. One of our customers is the upcoming black-owned cosmetic brand Whipped2Glow, we made the first version of their website https://whipped2glow.com/.

This is my career goal as I'm already creating professional websites using Wordpress and added platforms in our spare time. Working in professional workplaces has equipped me in the knowledge to build my own website company. My future goal desire in the next 7 years is to have my own fleet of employees working for my company StyleTheCode(STC). My goal is to be rich through my career, not only to be rich to be able to afford what I cant afford now but to go to my own country with all the resources and wealth that I would have accumulated and make my home country a first world country. I want to do something with my life and working a lot has made me realise that I don't want to settle for a basic tech salary just to be able to provide for my family. God has given me the opportunity and resources to do more. I want to hire the best minds in the world to be able to change around the economy in my home country, the average salary for a good paying job secured with a degree in Zimbabwe right now is about 150 dollars per month which is around 122 euro. This is a disgrace, there's so much poverty that people can't stomach to believe.

After graduation my goal will be to get a high paying job at the same time I will be working on my own project that I have mentioned above.

There are many hindrances that may prevent me from achieving my main goal, one of them is that is that after graduation I may get stuck in the working momentum that's if I don't set quarterly plans on what I want to achieve and if I don't set up a plan on how to achieve them, nothing with get done. Another hinderance will be that I will get comfortable with what I will be earning at that time and my own worry will to be able to pay whatever bills I have to take care of at that time.Another hinderance will be that I wont have enough funds to start my company. No one else is a life stakeholder to my career , I have no dependants and are only dependant on myself and my wrk ethic.

1.3. Planning

My plans as of now is that I finish my course and pass and excel in all my modules. If I graduate as planned in 2022 I will then start working but I will look for a job straight after may of 2022 so that I start working as soon as possible or do a graduate program during that time. Most of my income for 12 months will be going towards savings for my company along with my co-partner. I will be working on websites for clients for those 12 months on the side at home along with my colleague.

I will enhance the skills I have already and we will set up our first draft of our quarterly year plans for the next 6 years to come along with my colleague. We will look for funding such as the 'SOUTH EAST LOCAL ENTERPRISE OFFICE PROJECTS' with funding up to 350k.

The platform in which we will be using WordPress and will be using Site-ground as our webserver and host.

I'm well skilled with using WordPress I have built personal, ecommerce and informative websites along with my colleague. The level of wok required to do will depend on the type of website the client wants us to do for them and we have been dealing with that already.

1.4. Execution

My goal will be trying to launch our small home freelance company to a big well recognised professional company. To generate enough money to make a change in my home country.

After 1 year of graduation programme or working we hope to have saved up between 15-20k euro for us to be able to take out a business loan and rent our own space and hopefully get investors and funding. Our websites won't be just your average regular websites, they will provide affordable prices of great quality and will offer a lot of functionality that is quite expensive, hopefully most companies will turn to us and we will become the No.1 to go website development agency not just in Ireland but in the whole world.

We will have quarterly plans set up for 6 years in which after my first million euros I will know that I can try and begin my change in my home country after that time.

At the moment I cannot have a detailed executional plan as the recent pandemic has taught me that you can never be set on a plan but I have a broad idea of what I would want to be achieve in that time frame and plan closer to the date and as of now it's too soon for a executional plan.

2. Company Profile

The company of my interest is Stripe. Stripe is a technology company that builds economic infrastructure for the internet. Stripe provides APIs that web developers can use to integrate payment processing into their websites and mobile applications

Businesses of every size from new startups to public companies use their software to accept payments and manage their businesses online.

 Stripe is part of the relevant area of study within my project as this is the company I would use to accept payments from my website when the Anti-theft detection system has a website and customer would purchase their equipment from.

They would be a potential employer as I have had an interview with them as they are always actively hiring.

2.1. Company Overview, Values and Culture

One of Stripes main views is that they see potential of the online economy. Stripe says despite internet businesses growing faster than the rest of the economy, only about 3 percent of global commerce happens online today.

Regulatory complexity, a byzantine global financial system, and a shortage of engineers are constraining the impact of the internet economy.

Removing the barriers to online commerce helps more new businesses get started, expedites growth for existing companies, and increases economic output and trade globally.

Sitting at the top their payments platform are applications to manage revenue, prevent fraud, and expand internationally, at core is their powerful payments platform engine that makes moving money easy and then their cloud-based infrastructure provides reliability, scalability, and security.

2.2. Products and Intellectual Property

Stripe provide APIs that web developers can use to integrate payment processing into their websites and mobile applications.

Stripe have a publishing company named Stripe Press to promote ideas that support innovative businesses.

Stripe have a offer loans and credit cards to businesses in the United States. The company stated that loans are approved automatically using machine learning models, with no human intervention.

Stripe recently announced Stripe Climate, a service for businesses to fund atmospheric carbon research and capture.

2.3. Industry Trends, Environment and Competitors

Stripe is in the payment processor environmental field. The main competitor is Paypal.

Stripe and PayPal are online credit card processors with similar pricing. Both charge 2.9% + $0.30 per online transaction. Both support invoicing and recurring billing. PayPal is a trusted name and incredibly easy to use, but Stripe offers a deeper feature-set thanks to powerful developer tools.

Stripe is an all-in-one payment processor, combining a third-party payment processor's functionality with that of a payment. Stripe is almost entirely focused on eCommerce. To that end, it offers a powerful suite of developer tools for integrating Stripe's payment features into your shopping cart or eCommerce site. With international transactions, Stripe provides robust support for numerous currencies and payment methods as well as other quality of life features that can help you navigate VATs and exchange rates.

Stripe's pricing is fairly standard for card-not-present transactions — PayPal charges the same rate. The only really significant black mark on Stripe, and it's one shared by PayPal, is that as a third-party processor, Stripe's account stability leaves much to be desired.

2.   Reflections on Company Suitability for Future Employment

The company will be a perfect suit for employment after graduation as I have integrated Stripe's APIs in my personal projects and as the payment processor for my clients eCommerce websites previously.

I also applied for an internship with Stripe I managed to get to the third round of the application process but unfortunately I did not get a place so this would put me in a advance in the future as I know what their recruitment process is like.

3.   Preliminary Business Plan

My business objective will be to sell as many Anti-theft detection systems as much as possible and make it a dependant object such as headphones etc.

I would first draw out my artefact selling ideas such as my plan , the pros of the artefact, the need , demand and why it would be a selling idea and this will be to present to investors, for funding and tenders .

I would first try get funding for the artefact as to then be able to by more components to be able to make the artefact and to hire people to help me with the making hardware and such.

I will then launch my fully functioning ecommerce website once funding is approved and I have artefacts ready to be sold.

5. Online CV and Digital Portfolio

https://emilylukuta.com/ (scroll through the website for better view and features than using the nav bar)

https://drive.google.com/file/d/1jCTzODi2a2khVqzskKrp-D7KjlvHmzJh/view?usp=sharing