ALX Foundations: Milestone 13 Worksheet

SECTION A: Tech Track Reflection

Step 1: Track Choice

Which tech track (AWS, Salesforce, Data Science, Data Analytics or Software Engineering) are you planning to pursue? It's ok if you're not still not absolutely certain, but you should select your most likely choice. Please list the number of weeks or months that your chosen track takes. (So that we know you know!) 🙂

Step 1: Chosen Tech Track
A. Track choice: Software Engineering **B. Track length (12 weeks, 14 weeks, 42 weeks, or 1 year):** 1 Year

Step 2: Three Reasons

Please reflect on your why for pursuing your chosen tech track. List 3 reasons why this track appeals to you personally / why you want to pursue it.

Step 2: Reasons
A. I would Like to work on creating Solutions to the Problems in Society Today. That is the Primary goal of Software Engineering. **B.** High Earning Potential: Software Engineers enjoy a good salary which is a good Motive since at the end of the day what matters is how much you make to enhance your life. This is fascinating to me. **C.** Potential of Remote works: Software Engineering can provide remote jobs allowing me to work from Home. A 9-5 job is not my plan .

Step 3: Desired Job/Position

After you complete your tech track, what would be your ideal job title or position?

Step 3: Job title/Position you want
Software Engineer

Step 4: Expected Obstacle(s)

Everything worth doing will have hard parts. Please list at least one challenge or obstacle that you expect to encounter during the course of your studies in the coming weeks/months.

Step 4: Challenge(s)/Obstacle(s)
Keeping up with the 80 hours a week. Life Work Balance will be a challenge as well as keeping Healthy.

Step 5: Support plan

Please list at least 2 ways you will deal with the challenge(s)/obstacle(s). It could be seeking support from others, a specific way you will resource yourself or schedule your time, or something else. (There is no right or wrong answer– this is for you.)

Step 5: Ways to deal with challenge(s)/obstacle(s)
A. Set a timetable to Follow, Dividing Tasks with Ordinary Life Balance. B.   Having Breaks in between Works and Planning for Sleeping Times within the Week to maintain Health.

Step 6:

Do some web research to learn more about how technical teams work in your specific field. Look at at least 3 sources. Then, list at least 3 roles that you may find on a technical team in your field, and briefly state what each does. List at least 1 source where you found this information.

Step 6: Technical Teams in Your Field

Role A / Description:

Software Developer / Engineer : Software developers are responsible for Writing, testing and maintaining code for software applications or systems.

Role B / Description:

Quality Assurance Engineer : They are responsible for testing software applications to identify and report bugs, defects and inconsistencies.They ensure that the software meets quality standards and functions correctly before release.

Role C / Description:

Devops Engineer: DevOps engineers focus on the integration of development and Operations processes.They automate deployment,monitoring, and scaling of software applications, aiming to achieve continuous integration and delivery.

Source(s) of above information:

1. https://science.unimelb.edu.au/students/careers/careers-in-science/information-technology/software-engineer#:~:text=Software%20Engineers%20are%20responsible%20for,to%20databases%20and%20operating%20systems.

2. https://resources.workable.com/qa-engineer-job-description#:~:text=What%20does%20a%20Quality%20Assurance,fix%20program%20bugs%20or%20problems.

3. https://www.redhat.com/en/topics/devops/devops-engineer#:~:text=A%20DevOps%20engineer%20introduces%20processes,drive%20adoption%20within%20your%20company.

Step 7a: Engaging with Your Industry

As you enhance your understanding of technical teams and how your tech track's industry works:

List at least 2 publications, newsletters, Youtube channels or community platforms that you have followed or subscribed to.

Step 7a: Engaging with Your Industry
Subscription #1: Devcode Community **Short Description:** A platform for developers to Interact with other tech Experts to discuss the Available trends. **Subscription #2: Github Trends** **Short Description:** A Platform to keep up with Trending Repositories and codes.This will ensure the Continuous learnings.

Step 7b: Learning About Your Industry

As you enhance your understanding of technical teams and how your tech track's industry works:

Share URLs for at least 3 relevant videos that you found and watched on Youtube. (**Not** from the playlist provided later.)

Step 7b: Learning About Your Industry
Youtube Videos Engaged With: **#1:**https://youtu.be/Q0A35ZfgwHA **#2:**https://youtu.be/opD-rJVAPig **#3:**https://youtu.be/puLSsuG1YE4

Step 7c: Industry Professionals

Go to LinkedIn.com. (If you don't have an account already, you can create one. We will work on building/improving your profile later.) Play around with searching for people. Find 3 people who have worked in your chosen field for at least 2 years that have careers that look interesting to you. Ideally these individuals would be on the African continent, but that is not required.

Provide their names and urls of their profiles here.

Step 7c: Industry Professionals
Name 1:Solomon Omondi (Software Engineer at Omisol Tech) **URL 1:https://www.linkedin.com/in/solomon-omondi-416854255** **Name 2: Eunice Kiingati (Software Engineer at Safaricom PLC)** **URL 2:https://www.linkedin.com/in/eunice-kiingati-972490206** **Name 3: Geoffrey Imbisi (Software Engineer at NTS Tradestar)** **URL 3:https://www.linkedin.com/in/geoffrey-imbisi-b338ba144**

Step 8: Interview an Expert or Watch Expert Interviews

It's important to be curious and always asking questions. What have you wondered about your chosen field but not found an answer to? Your questions may be about what job positions are available, how satisfied people are in your chosen career, paths to advancement, how readily available remote work vs. local work is, the largest employers in your field, or anything else related!

In this activity, you have 2 options - **Choose 1**:
Option A: Interview an Expert in Your Industry
Option B: Watch Expert Interviews

Choose 1 option and delve right into the activity below!

Step 8- Option A: Interview an Expert in Your Industry

We have prepared an [Interview Guide](#) (including a template for you to use when you message experts on LinkedIn or other platforms).

The Interview Guide should help you prepare and conduct interviews with the industry expert. During the interview, take down notes to answer the following questions:

Step 8 - Option A: Expert Interview Insights

A. From the expert's perspective, what is the demand for employees in this specialization, globally and locally?

Software Engineering has been a rapidly growing field worldwide due to the increasing reliance on technology and digital solutions across industries. Emerging tech centers in countries like India, China, and various European nations , have driven significant global demand for Software Engineering talent.

B. What kind of preparation did the expert undertake to get where s/he is today in their career?

 Franco started building lots and lots of Projects while building his Portfolio which by the way is a huge contribution to his Employment at Seattle Washington. Building Projects acts as a reference of Things you have Done.

C. What is one piece of advice for how I can be successful in the field?

 Be ready to Receive Feedback, Be Humble and Keep Learning.

D. What are my 2 biggest takeaways from the interview?

    Build many Projects to learn hugely.
    Be ready to Learn new things every day

Step 8 - Option B: Watch Expert Videos
We have prepared a Youtube playlist for each specialization:

- [Data Analytics/ Science track](#)
- [Salesforce track](#)
- [AWS track](#)
- [Software Engineering track](#)

Choose 1 specialization's playlist and watch the videos from the playlist. As you watch the videos, answer the following questions:

Step 8 - Option B: Expert Video Insights

A. **What are the job prospects looking like for my specialization, globally and locally?**

B. **What kind of preparation must I make to become successful in this industry?**

C. **What types of content do I need to consume on a regular basis to keep up to speed with my industry?**

D. **What are my 2 biggest takeaways from the videos?**

Step 9: Information Exchange – Hub Activity #1

For your first hub activity, find at least 1 peer, and ideally a group of 2 or 3. We encourage you to find people who have chosen the same field/tech track as you, but it is ok if they have a different track. Please share your answers to Steps 1-8 with one another, then answer the questions in the Step 9 box.

Step 9: Information Exchange

A. **List the first and last name of at least 1 peer that you met with for this activity:**
Nelly Munene

B. **What is one thing you learned from your peer/group?**

> The zeal to Learn is an important requirement for Project Success.
>
> **C. What is one new question or curiosity about your industry that you have after exchanging information with your peer/group?**
>
> **How will AI Impact the Future of Software Engineering? How should i Integrate AI with Software Engineering.**

STOP **Please go back to Canvas and continue with your learning content. You will be prompted on when to return to complete Section B.**

SECTION B: Hub Activity #2

Step 10: Reflection on Hub Activity: Imposter Syndrome
Who was the first and last name of the peer you partnered with on this exercise?

Step 10: Peer Name
Victoria Jeruto

Step 11: Strategies
What strategy did you select? What strategy did your peer select?

Step 11: Strategy

A. **Your strategy:**
  Setting Realistic Expectations.
B. **Your peer's strategy:**
  Celebrating Small Wins

Step 12: Strategy Implementation

Describe what steps you took toward completing your strategy, and what steps your peer took toward completing theirs?

Step 12: Strategy Implementation
A . What steps did you take? Understanding that I do not need to Know everything and that i should keep achievable goals while Realizing that Learning is a continuous Process.   **B. What steps did your peer take?** Acknowledging and Celebrating Minor Achievements will reinforce a positive Self Image and Boost Confidence.

Step 13: Bio

Please share at least 1 piece of feedback from your peer that you got on your bio.

Step 13: Feedback Received
I need to believe in myself even though I at times feel that i haven't done much.She saw a tonne of Things that i had done Exceptionally well.(Which was a new point of view by the way)

Step 14: Bio

Please revise your bio to incorporate the feedback you received. Paste your best, most up-to-date version of your bio here. Remember, your bio is written in the 3rd person, narrative paragraph form (not a bulleted list) and it includes the following information:

1. Your name
2. Your current role or professional tagline

3. Your company or personal brand
4. Your goals and aspirations
5. Your 2 - 3 most impressive and relevant achievements

Step 14: Bio

In the realm of Software Engineering, emerges **Brian Maema**, **a dedicated freelance developer and also a software Engineering student at ALX**, known widely as **Brimohacks** which is his Personal Brand. With an unwavering commitment to mastering the intricacies of technology, Brian has embarked on a transformative journey that's setting the stage for his future as a software engineer.

Brimohacks **envisions a world where innovation thrives**, and he's working diligently to turn that vision into reality. As a burgeoning software engineer, he's striving to not just become proficient but to **be an emblem of innovation in his field**.

Among his notable accomplishments, Brian has displayed his prowess in IT Support, consistently assisting individuals and teams in overcoming technical challenges. This not only showcases his technical aptitude but also his remarkable ability to communicate complex concepts with simplicity.

Furthermore, Brian has demonstrated his creative flair and technical finesse in Website Creation. Through his deft hands, abstract concepts have transformed into captivating online experiences that seamlessly blend aesthetics with functionality.

As he continues his educational voyage and builds upon his achievements, Brimohacks is resolute in his **aspiration to drive technological advancement and usher in a future where software engineering's potential knows no bounds.** His journey is marked by a relentless pursuit of excellence, and his story is only just beginning.