

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: AWS

B. Track length (12 weeks, 14 weeks, 42 weeks, or 1 year): 14

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 want to pursue AWS since I have worked with other cloud computing technologies and want to learn more about AWS's services.

B. I want to be a certified professional and will allow me to access new opportunities.

C. I want to use the skill I gain from learning AWS and solve global and local issues.

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

AWS Solution Architect

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)

The challenges I may encounter is not having sufficient time for studying and reviewing the courses.

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. I will deal with the challenge by prioritizing my courses over less important tasks.
- B. I will use time management tools in order to allocate more time to my studies

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: AWS Solution Architects are liable for building and integrating computer systems and knowledge for meeting specific needs. This involves the integration of hardware and software for meeting the customer-defined purpose

Role B / Description: AWS Devops Engineers are responsible for automating design, coding, and deployment of infrastructure within an AWS Environment. Developing CI/CD pipelines, instrumenting code to report relevant metrics, and building safe and efficient build processes are all a part of the role of an AWS Devops Engineer.

Role C / Description: AWS Security Specialist primary duties include identifying, analyzing, and reporting security risks to management and internal customers. They evaluate security measures as well as operational threats to our personnel, data, and physical assets using suitable evaluation procedures.

Source(s) of above information:

1. <https://www.testpreptraining.com/blog/how-to-build-a-career-as-an-aws-security-specialist/#:~:text=AWS%20Security%20Specialist%20primary%20duties,as%20sets%20using%20suitable%20evaluation%20procedures>.
2. <https://www.lafosse.com/job-description/aws-devops-engineer-job-description/>
3. <https://k21academy.com/amazon-web-services/roles-and-responsibilities-of-aws-solutions-architect/#:~:text=Solution%20Architects%20are%20liable%20for,additionally%20one%20of%20their%20responsibilities>.

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: <https://www.youtube.com/@amazonwebservices>

Short Description: This channel provides a wealth of video content, including tutorials, product demos, customer success stories, and conference presentations.

Subscription #2: <https://www.youtube.com/channel/UCT-nPIVzJI-ccQXlxjSvJmw>

Short Description: AWS Online Tech Talks Channel contains a series of webinars conducted by AWS experts

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://www.youtube.com/watch?v=s8byh4MCJYw&pp=ygUIYXdzIGZyZWU%3D>

#2: <https://www.youtube.com/watch?v=Z0EtjKNRdR4&pp=ygUIYXdzIGZyZWU%3D>

#3: https://www.youtube.com/watch?v=jpZCg4sCz_o&pp=ygUDYXdz

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: Siraj Hassen

URL 1: <https://www.linkedin.com/in/siraj-hassen-00711a85/>

Name 2: Danait Abay

URL 2: <https://www.linkedin.com/in/danaitabay/>

Name 3: Yididiya Kebede

URL 3: <https://www.linkedin.com/in/yididya-kebede-8b1723198/>

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?**
- B. What kind of preparation did the expert undertake to get where s/he is today in their career?**
- C. What is one piece of advice for how I can be successful in the field?**
- D. What are my 2 biggest takeaways from the interview?**

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?**

The job prospects for software maintenance engineers are looking good both globally and locally. According to the US Bureau of Labor Statistics, the employment of software developers and software quality assurance analysts is projected to grow 22 percent from 2020 to 2030, much faster than the average for all occupations. This

growth is being driven by the increasing demand for software in all industries.

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

- I need to learn programming languages, software development tools, and other technical skills. I can do this by taking online courses or attending bootcamps.
- Build my soft skills like communication, teamwork, and problem-solving skills. I can develop these skills by working on personal projects, volunteering, or getting involved in extracurricular activities.
- Network with people in the tech industry can help me learn about new opportunities, get advice, and make connections. I can network by attending industry events, joining online communities, or reaching out to people on LinkedIn.
- The best way to learn about the tech industry is to get experience working in it. I can do this by getting an internship, working on personal projects, or freelancing.

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

News articles and blog posts are a great way to stay up-to-date on the latest trends and developments in the industry. Podcasts also are a great way to learn about new technologies and best practices. There are a number of podcasts that focus on software maintenance, such as the AWS Show and the Cloud Engineering Podcast. Attending conferences and meetups is a great way to network with other AWS engineers and learn about the latest trends and technologies.

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

1. The importance of having a clear goal in mind when you're learning a new skill. This is especially important when it comes to programming, as there are so many different languages and frameworks to choose from.
2. The importance of practicing regularly. Just like any other skill, programming takes practice to improve. The more you practice, the better you'll become at it. Make sure to set aside time each day to work on your skills, even if it's just for a few minutes.

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:

Maranata Feleke

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

I have learned how he gets his motivation to learn and stay curious in the tech industry.

C. What is one new question or curiosity about your industry that you have after exchanging information with your peer/group?

I'm curious why there are few experts with experience in our country with AWS certification



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

Maranata Feleke

Step 11: Strategies

What strategy did you select? What strategy did your peer select?

Step 11: Strategy

A. Your strategy: Acknowledge and Normalize

B. Your peer's strategy: Focus on Effort and Growth

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? I have started to understand that imposter syndrome is normal and even my peers have gone through the same experience.

B. What steps did your peer take? My peer has planned to focus on his effort and celebrate every progress he makes

Step 13: Bio

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

Step 13: Feedback Received

He told me to include more achievements in my bio.

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

Hi, I'm Hebron Endale. I'm a software maintenance engineer. I'm able to maintain different databases and servers equipped with Windows and Linux OS. I'm continuously learning and staying up to date with the current technologies. My goal is to help companies relieve stress of handling complex softwares. I have been involved in growing the user base of CRBT service from 5 million monthly users to 20+ million monthly users. I have been maintaining the primary SMS service servers without any major interruption for more than 2 years.