



In partnership with



# AWS Cloud Computing Programme



# 6 Months (30–40 hrs per week)

## What is AWS Cloud Computing?

AWS Cloud Computing involves delivering a wide range of Amazon Web Services (AWS)—including servers, storage, databases, networking, software, analytics, and artificial intelligence—over the Internet, commonly referred to as "the cloud." This approach enables faster innovation, flexible resource management, and cost-effective scalability.

## Why AWS Cloud Computing?

Cloud technologies are revolutionising industries, creating a high demand for professionals with cloud computing expertise. LinkedIn highlights cloud computing as one of the most in-demand skills in the tech market, making proficiency in this area crucial for career growth and advancement.

## How you'll learn

- **Weekly Content:** Access weekly content on Canvas, including online video lessons, study guides (PDFs), and additional materials such as articles and videos.
- **Peer Interaction:** Engage with your peers on the portal, where you can also seek support from our technical mentors by asking questions and more.
- **Interactive Learning:** Enjoy a variety of interactive content, including live video sessions and walk-throughs by our Technical Mentors.
- **Hands-On Experience:** Apply your learning through weekly Knowledge Checks and Labs.
- **AWS Management Console:** Utilise the AWS Management Console for practical learning opportunities.



## Why Choose Us?

### Professional Foundations

Before starting the AWS Cloud Computing programme, learners complete our 8-week foundational training, acquiring vital skills like self-awareness, teamwork, communication, and critical thinking, essential for success in tech.

### Accessible Entry Point

Our programme welcomes learners without prior IT experience, enabling individuals from diverse backgrounds to embark on their cloud computing careers confidently.

### Diverse Career Pathways

Whether you're aiming to become a Cloud Practitioner, Solutions Architect, or any other role within the cloud computing field, our program offers a robust learning path tailored to various career aspirations.

### Industry-Recognised Certifications

Earn two valuable certifications from AWS: Cloud Practitioner and Solutions Architect, enhancing your credentials and employability in the tech market.

## Tools Learners Get to Use

**zoom**

Zoom



Calendar



**canvas**

Canvas (LMS)



Slido

**zendesk**

LEA/Zendesk  
(Programme  
Support  
Channels)

**6-Month**

Programme

**100%**

Digital (Online)  
Learning  
programme

**30-40 hrs**

Per Week



# Professional Foundations Schedule

08 Weeks (20–30hrs / week)

## What is Professional Foundations?

- A career-readiness training module to kick-start your ALX learning journey before moving on to your chosen specialisation.
- Learn exceptional communication, teamwork, and leadership skills that make ALX graduates top picks in the job market.
- Be ready for a real-world career with soft skills that keep you ahead in the rapidly changing tech industry.

## Weekly Content

### Week 01

- Getting Started
- Habits for Developing Intrapersonal Intelligence
- Onboarding & Programme Overview
- The ALX Fellowship
- Values & Community
- GCGOs for Africa

### Week 02

- Movement and Mental Health
- Karibu Lessons
- Values & Empathy
- Exploring African GCGOs
- Self Awareness & Emotional Intelligence
- Growth Mindset & Grit
- Self Regulation & Improvement
- Time Management

### Week 03

- Morning Pages for Personal Reflection
- Habit Formation
- Goal Setting
- Defining Problems & User Stories
- Problem Solving
- Asking the Right Questions
- Research Methodology & Ethics

### Week 04

- Meditation
- Goal Setting
- Communication for Impact
- Creating Presentations & Technical Writing
- Communication in Tech Teams
- Design Thinking
- Work Planning

### Week 05

- Boosting Intrapersonal Intelligence
- Problem Definition
- Teamwork Best Practices
- Agile Technology Teams: Roles & Processes
- Research & Data Gathering
- Data Cleaning & Preparation
- Data Visualization
- Identifying Opportunities
- Generating Solutions
- Understanding the Market

### Week 06

- Refresher on Habits for Intrapersonal Intelligence
- Understanding the User
- User Interviews
- Intro to Wireframes & Prototypes
- Teamwork & Team Communication
- Conflict Management & Negotiation
- Generating Solutions & Making Decisions
- Human Centered Design

### Week 07

- Personal Reflection on Intrapersonal Growth
- Generating Solution
- Product Requirements
- Pitch Preparation
- Powerful Presentations
- Identifying Opportunities
- Wireframes & Prototypes

### Week 08

- Committing to your Intrapersonal Growth
- Elevator Pitch
- Professional Bio
- Exploring Tech Tracks
- Resume Writing
- LinkedIn Profiles
- Interview Skills
- Personal Brand & Bio
- Career Skills



# Weekly Schedule

Each week, you will be expected to:

- Log into the portal and engage with your peers.
- Access the LMS (Canvas) and complete the weekly content.
- Submit assignments by the Sunday deadline usually at 11:59 pm GMT.
- Attend live expert sessions facilitated by the Technical Mentors on Tuesdays and Thursdays.
- Participate in the programme Office Hours for updates and support.

## Weekly Content

### AWS Cloud Practitioner

#### Week 1

Module 1: Course Introduction & Cloud Concepts Overview

#### Week 2

Module 2: Cloud Economics and Billing

Module 3: AWS Global Infrastructure Overview

Module 4: Cloud Security

#### Week 3

Module 5: Networking and Content Delivery

Module 6: Compute

Module 7: Storage

**Week 4 - CATCH UP WEEK** (No new content is introduced during this week)

#### Week 5

Module 8: Databases

Module 9: Cloud Architecture

Module 10: Automatic Scaling & Monitoring

**Week 6 - CATCH UP WEEK**

**Week 7 & 8 - Exam Weeks**

**Week 9 - Recess Week**



## AWS Solutions Architect

### Week 10

Module 1: Welcome to AWS Cloud Architecting  
Module 2: Introducing Cloud Architecting

### Week 11

Module 3: Adding a Storage layer  
Module 4: Adding a Compute layer

### Week 12

Module 5: Adding a Database Layer  
Module 6: Creating a Networking Environment

### Week 13 – CATCH UP WEEK

### Week 14

Module 7: Connecting Networks  
Module 8: Securing User and Application Access

### Week 15

Module 9: Implementing Elasticity, High Availability, and Monitoring  
Module 10: Automating Your Architecture

### Week 16

Module 11 – Caching Content  
Module 12: Building Decoupled Architectures

### Week 17 – CATCH UP WEEK

### Week 18

Module 13: Building Microservices and Serverless Architectures  
Module 14: Planning for Disaster

### Week 19 – Hands-on Project

Module 15: Bridging to Certification

### Week 20 – CATCH UP WEEK

### Week 21, 22 & 23 – Exam Weeks



# YOUR LEARNING JOURNEY



## Kickstart your career in Tech

85% of learners find a job after 6 months with a certificate of completion.

**LAUNCH**



## By learning from industry experts

Our instructors are fully-vetted with industry experience.

**1**

## And developing your professional foundations

Get a professional portfolio and skills for better employability.

**3**

**2**

## Gaining work ready skills

Learn up-to-date tech innovations with real-world projects.

**4**

## In a state-of-the-art learning environment

Network, collaborate and co-work with peers online or offline.



**5**

## With support from your peers.

Our alumni get access to our Fellowship community and events.

# GET STARTED

## apply now

**6**



[www.alxafrica.com](http://www.alxafrica.com)





# 2024 Calendar

| Programme - Cohort # | Application Deadline | Onboarding Starts | Programme Starts |
|----------------------|----------------------|-------------------|------------------|
| Cloud Computing - C3 | 27 Feb               | 11 Mar            | 18 Mar           |
| Cloud Computing - C4 | 28 May               | 10 Jun            | 17 Jun           |
| Cloud Computing - C5 | 2 Jul                | 15 Jul            | 22 Jul           |
| Cloud Computing - C6 | 20 Aug               | 2 Sep             | 9 Sep            |

**DISCLAIMER:** Please be aware that the dates provided are subject to change and are intended as a reference for your planning purposes, please refer to the website for date confirmation.







# Frequently Asked Questions

## **What is the criteria for being accepted?**

Accepted applicants are evaluated based on their entire application, including assessment scores and essay responses. While the outcome may not always meet expectations, we encourage self-reflection, identifying areas for improvement, and ongoing skill development. For future programme applications, please revisit our website during the next cycle.

## **I applied and received confirmation, but I haven't received an acceptance letter.**

The confirmed button in your email indicates your acceptance.

## **Are there any fees apart from the administration fee?**

The tuition fee for our programmes starts at \$7500. For sponsored applicants, this fee is waived, and only the administration fee is required.

## **I want a waiver or scholarship, and I am unable to pay the administration fee.**

Regrettably, we cannot accommodate this request presently. The administration fee supports programme access, study materials, community engagement, networking, and certification. Paying it demonstrates commitment and ensures access to all resources and support for success.

## **How do I make payment?**

All payments can be made via the admissions portal.

## **I accidentally dropped a programme, and now I can't continue the application.**

Unfortunately, dropped applications cannot be continued. You will need to apply to another programme or use a different email address.