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TRANSFORMATION ACCELERATED

Mobilise Academy
2023 Prospectus

Welcome

You are invited to take part in the Mobilise Academy.
Our Autumn 2023 programme will equip you with the skills of a Cloud Architect/Engineer so that you can continue your journey into cloud computing professions.

This prospectus will outline the following key areas of information:

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Things to Know

The course is an intermediate level training scheme that aims to provide participants with AWS Cloud training. This will allow participants to build skills and confidence, providing a way into the Technology Sector.

The Academy is aimed at those, with some knowledge and previous experience in IT, who want to develop a career in the field. This is an equal opportunity scheme, for all ages, with an investment in improving the diversity of the Technology Sector.

Some key information points are:

The course is run remotely, and you will require your own laptop.

NOV 2023 The course will run during November 2023, starting on the 6th November 2023.

10 HRS It will require 10 hours per week from students.

NOV 2023 / DEC 2023 The course's learning component will run from 6th November 2023 through to 22nd December 2023.

</> The course requires no formal education or prior employment in a cloud technology role. Prior experience in IT, coding and technology is expected.

There will be a Christmas break between 22nd December 2023 and 5th January 2024.

The course will then resume on the 8th January 2024 with build up to the AWS examination.

Course Overview

Participants will receive a course structure designed to teach the necessary skills and knowledge. This will also include exam support, labs, CV workshops and mentorship from practicing cloud technology experts.

It will be a 12-week course, structured in a series of modules that cover the fundamentals of AWS cloud technologies and cloud architecture.

The course will include:

10 HRS — 10 hours per week work from students. Over the entirety of the course, this includes a total of 40 hours of video work, 40 hours of lab/practical work and 40 hours of self-learning.

Face to face and supplementary CV/ industry knowledge support.

Formative assessment, module checkpoints and a summative assessment (mock exam).

Credits for the AWS certification exam.

Mobilise Academy focuses its learning through AWS technologies such as Amazon EC2, S3 and Amazon CloudFront.

Amazon Web Services (AWS) is the world's most comprehensive and broadly adopted cloud, offering over 200 fully featured services from data centres globally.

Millions of customers – including the fastest growing startups, largest enterprises, and leading government agencies — are using AWS to lower costs, become more agile, and innovate faster. The focus of this certification is on the design of cost and performance optimised solutions, demonstrating a strong understanding of the AWS Well-Architected Framework.

This certification can enhance the career profile and earnings of certified individuals and increase your credibility and confidence in stakeholder and customer interactions.

aws

Module Breakdown

The weekly breakdown of the course modules will be:

Week 1	Fundamentals	**Week 7**	HA Architecture
Week 2	IAM & S3	**Week 8**	SaaS Applications
Week 3	VPC (Networking)	**Week 9**	End Build & Review
Week 4	EC2	**Weeks**	
Week 5	Databases & Storage	**10 – 12**	Exam Prep, Coaching
Week 6	Route 53 & Cloudfront		& Dummy Questions

The course will include:

Week 1 includes coverage of cloud computing basics, how this works in practice and an overview of the current technological landscape.

Week 2 includes coverage of IAM, which securely manages identities and access to AWS services/resources, as well as Amazon S3, an object storage built to store and retrieve any amount of data from anywhere.

Week 3 includes coverage of Amazon VPC (Networking), which is a virtual private cloud which allows you to define and launch AWS resources in a logically isolated virtual network.

Week 4 includes coverage of Amazon EC2, a secure and resizable compute capacity for virtually any workload.

Week 5 includes coverage Databases & Storage, this will allow you understand why and how a high-performing database is crucial to any organisation.

Week 6 includes coverage of Route 53, a reliable and cost-effective way to route end-users to Internet applications, as well as CloudFront, which facilitates the secure delivery of content with low latency and high transfer speeds.

Week 7 includes coverage of HA Architecture, reliability focused design principles and practices for system architecture and deployment(s).

Week 8 includes coverage of SaaS Applications, a way of delivering applications remotely over the internet instead of locally on machines. SaaS applications are also known as web-based software and on-demand software.

Week 9 includes coverage of the End Build and end-to-end solutions which help to optimise performance and efficiency by delivering complex systems or services in functional form after developing them from beginning to end.

Course Provisions & Opportunities

What you can achieve & learn

- An industry recognised AWS Certified Solutions Architect Associate certification.

- Knowledge and skills in cloud compute, networking, storage, and database services as well as AWS deployment and management services

- Knowledge and skills in deploying, managing, and operating workloads on AWS as well as implementing security controls and compliance requirements.

- Knowledge and skills in using the AWS Management Console and the AWS Command Line Interface (CLI)

- Understanding of the AWS Well-Architected Framework, AWS networking, security services, and the AWS global infrastructure.

- Ability to identify which AWS services meet a given technical requirement and to define technical requirements for an AWS-based application.

What the course provides

- Access to our cloud technology learning modules on Udemy.

- Training and coaching with practicing industry personnel as well as expert insight and CV support.

- A baseline introduction to the field, allowing for movement into cloud computing.

- A pathway to assist movement into cloud consultancy and increased job prospects in the area.

- Routes into building proficiency in AWS technologies.

- Free learning and free examination valued at over £550.

What you will need

Your own laptop device

Enough time to commit to the weekly workload

A drive to enter the industry and progress your skillset

About Mobilise & Our People

Who we are

Born in the cloud in 2014, Mobilise work with Enterprises and the Public Sector. We offer the expertise of global consultancies with the agility and spark of industry disruptors. With a focus on innovation and efficiency, we remain at the cutting-edge of the industry and are always adapting to meet the changing needs of our clients.

Our vision is to bridge the national skills gap and better the UK's digital competency.

Our expertise

Enterprises trust Mobilise to securely transform their services, augment their teams, and accelerate their digital transformation.

We are an outcome and quality driven organisation. Our embedded technology partnerships and security certifications have been built alongside genuine experience in delivery teams undertaking major technology transformations.

Partners & Certifications

"Leading global technology partners and the accreditations you expect".

We collaborate with several exceptional technology partners. Our ability to form strong alliances and partnerships is fundamental to our work, as it empowers us to provide ongoing customer value harnessing the very best technology in the marketplace.

Security
Mobilise Service Desk
SC Cleared &
CyberEssentials
24x7 Support

Gold
Microsoft Gold Partner
Certified Architects

Provider
Certified Kubernetes
Administrators with years of
experience working with
enterprise platforms

Partner
Certified Elastic Engineers
Experience delivering
Cybersecurity Platforms &
Enterprise Grade
Security Controls

Advanced
AMS Partner
Managed Service Provider
Public Sector Partner
Well Architected Partner
Migration Parter
Solution Provider

Quality
Quality Management
Customer Obsession
Optimisation & Automation

Equal Opportunity Employer

At Mobilise, we are on a mission to drive positive social impact through our work.

At Mobilise diversity, inclusion and fairness are core values. We believe in promoting mental and physical health in the workplace.

The Mobilise Academy aims to invest in demographics typically underrepresented in Science and Technology Industries.

As a sustainable and ethical organisation, we're committed to achieving Net Zero by 2040 at the latest.

Course Testimonials

A growing communnity of cloud natives

We have a diverse group of people who are passionate about the present and future of cloud technology.

It continues to grow and offer people a chance to either really switch from a traditional background who knows not a lot about it to some who have grown up surrounded by tech.

Previous AWS graduates are now core members of Mobilise's workforce. Read more about their experience:

Kurtis Neal

Where did your interest in tech come from?

I've been fortunate to have grown up with gadgets surrounding me from the off, which has nurtured an aptitude to all things tech. From Nintendo 64 consoles to DJI Inspires, I enjoy figuring out how tech functions as well as all the fun stuff! This has further developed by working for Apple in various roles and now with Mobilise as a DevOps engineer.

What made you apply for the AWS training?

Aside from the obvious financial incentives I enjoy being challenged and achieving these certs and relevant skills seemed the obvious next step, especially after speaking with some professionals in the AWS field as they provided valuable advice and insight.

What did you enjoy about the course?

I enjoyed learning about the core features of what makes up a cloud platform and how AWS put their spin on them as well as other proprietary services.

How do you think it has set you up for the future?

Obtaining AWS certs and consequently a job with Mobilise has transformed my life in the present let alone the future. The current climate sees huge demand for these skills and therefore opportunity for progression, partner this with AWS being the industry leading cloud provider it's unlikely this will slow down anytime soon.

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CJ Regan

Where did your interest in tech come from?

My background hasn't always been tech. I started off as a mechanic and car body repairer, with my father, I then moved into the financial industry, working at a Credit Union. Neither of these careers really fit my passion, which has always been tech.

During my school year's, I used to come home and take my phones and computers apart, just to see how they worked, which quickly turned into an underground school business fixing iPhones.

Seeing how beneficial cloud computing is for businesses, how efficient and secure it is compared to traditional computing is inspiring and I wanted to be a part of it.

What made you apply for the AWS training?

A big part of why I applied to join an AWS academy was due to the flexibility to learn and work at the same time, to be able to plan out my studies how I saw fit and to follow my passion and interests.

Secondly, I saw how big the community was in the AWS/cloud computing industry and how supportive everyone is, when you're jumping into the unknown you need that feeling of reassurance that there are likeminded people to support you through your journey.

Finally, the ability to not only learn the theory and attain certifications, but, the opportunity to practice in a real environment using the AWS free tier.

What did you enjoy about the course?

I enjoyed the fact that the course isn't for just those who have years of background in IT, you can come into it with no previous experience, bringing passion and determination to achieve certifications and knowledge, to start your career on a great base. It was nice that you could meet new people who are on the same path as you, become friends, colleagues and learning buddies who can support each other on your new journey.

I enjoyed using real technologies in the AWS console, building out my own infrastructure and applications.

Ultimately how cloud computing can really enhance a business's processes and infrastructure, lowering costs, increasing security and how agile and elastic the cloud really is.

How do you think it has set you up for the future?

The AWS academy and its course provides a base understanding of what the cloud is and the core AWS services you need to know to achieve recognised certifications that will make you stand out to employers. By doing this I accepted a job offer here at Mobilise who are a super supportive business and keen for individuals to progress.

There is nothing more important than the ability to gain commercial experience in a supportive company to put your knowledge into practice, whilst watching your passion grow every day. With all of this in mind Mobilise and the academy have made it feel like there's no better place, or time, to watch my future and achievements grow.

What is Cloud Computing?

Cloud computing is the on-demand delivery of IT resources over the Internet with pay-as-you-go pricing. Instead of buying, owning, and maintaining physical data centres and servers, you can access technology services, such as computing power, storage, and databases, on an as-needed basis from a cloud provider like Amazon Web Services (AWS).

Organizations of every type, size, and industry are using the cloud for a wide variety of use cases, such as data backup, disaster recovery, email, virtual desktops, software development and testing, big data analytics, and customer-facing web applications. For example, healthcare companies are using the cloud to develop more personalized treatments for patients. Financial services companies are using the cloud to power real-time fraud detection and prevention. And video game makers are using the cloud to deliver online games to millions of players around the world.

The three main types of cloud computing include Infrastructure as a Service, Platform as a Service, and Software as a Service. Each type of cloud computing provides different levels of control, flexibility, and management so that you can select the right set of services for your needs.

"Cloud native technologies empower organisations to build and run scalable applications in modern, dynamic environments... combined with robust automation, they allow engineers to make high-impact changes frequently, and predictably with minimal toil."

What are Cloud Architects?

A Cloud Architect's primary duty involves translating a project's technical requirements into the architectural framework and blueprint that will steer the development of the end product. An AWS Certified Solutions Architect showcases knowledge and skills in AWS technology, across a wide range of AWS services.

Cloud Architects also assume the role of bridging intricate business challenges with cloud-based solutions. Collaborating with other members of the technology team, such as DevOps professionals and software developers, is essential for the Cloud Architect to guarantee the appropriate technologies are being constructed.

FAQs

Do I need to pay in order to attend the academy?

No, there is no payment made for joining and attending the academy. This is a free to access opportunity to develop your skills and experience.

Will I need to continue the courses over the Christmas period?

No, we will have a break for the Christmas period from 22nd December – 5th January.

Who will be the main point of contact for the duration of the course?

You will be allocated tech leads that specialise in each module area. The course convenor will be Adam and HR support will be provided by Yaasi.

Will I get a job at the end?

Our business changes from week to week, we cannot guarantee that there will be any Junior Cloud Engineer positions at the end of the course. If the Academy is completed, we would like to keep in contact and retain your details to add into a pool of candidates for possible roles in the future.

How many hours over the course will I need to commit?

We recommend that you will need to dedicate roughly 10 hours per week of the 10-week period to complete this course.

Can I use my phone to access this information?

You will need to have access to a laptop to access this course.

If I have done some of the modules, do you have to re-do them for the course?

We recommended that you continue to attend all of the modules and complete each section of this Academy to complete the course.

How many spaces will be available on the Academy?

We are looking to accept between 12 – 15 people on the Academy, at the same time, for this working group.

Further Information
& Contacts

We encourage to let us know if you seek any further information regarding the Mobilise Academy.

Please contact:

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The Mobilise website can found here:

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