### TRAINING AND CERTIFICATION

## Plan your AWS **Certification Journey**

## Which AWS Certification should I start with?

## **New to IT and Cloud**

From a non-IT background, switching to a cloud career?

**Start with:** AWS Certified Cloud Practitioner to validate foundational AWS Cloud knowledge, then earn AWS Certified AI Practitioner to showcase AI knowledge.

**Outcome:** Sharpens your competitive edge. Positions you for in-demand cloud and AI job roles and to earn additional AWS Certifications.

## **Line-of-Business Roles**

In sales/marketing or other

## business roles?

Start with: AWS Certified Cloud Practitioner to validate foundational AWS Cloud knowledge, then earn AWS Certified AI Practitioner to showcase AI knowledge.

Outcome: Sharpens your competitive edge with in-demand AI and cloud knowledge and positions you for career advancement and higher pay.

## **IT Professionals**

Do you have 1-3 years of IT or **STEM background?** 

**Start with:** An Associate-level AWS Certification that aligns with your role. AWS Certified AI Practitioner is recommended to validate conceptual AI knowledge.

Outcome: Boosts your confidence and credibility in contributing to AI and machine learning projects. Sets you up for career advancement, higher pay, and to earn advanced AWS Certifications.

**AWS Certification Paths** 

Below are top cloud job roles, role responsibilities, and AWS Certification Paths aligned with those roles. Select the role(s) you are interested in and get started or continue your AWS Certification journey to achieve your career goals. Note: You are not required to follow these paths. These are recommended pathways. AWS Certified Cloud Practitioner is an optional step for candidates with an IT or STEM background. AWS Certified AI Practitioner is recommended for IT and non-IT professionals looking to leverage AI.

## Roles and responsibilities

## Architecture

### **Solutions Architect**

Design, develop, and manage cloud infrastructure and assets, work with DevOps to migrate applications to the cloud.

### Design significant aspects of application architecture including

**Application Architect** 

user interface, middleware, and infrastructure, and ensure enterprise-wide scalable, reliable, and manageable systems. Data Analytics

**AWS Certification Paths** 





Recommended for IT/cloud professionals to leverage AI







## **Cloud Data Engineer** Automate collection and

processing of structured/semistructured data and monitor data pipeline performance.



Optional for IT/









## Development

software across platforms and devices.



Optional for IT/ cloud professionals









#### Software **Development Engineer**

## Develop, construct, and maintain









## **Systems Administrator**

**Operations** 

#### Install, upgrade, and maintain computer components and

software, and integrate

automation processes. **Cloud Engineer** Implement and operate an

organization's networked computing infrastructure and Implement security



Optional for IT/ cloud professionals









## systems to maintain data safety. Dev0ps

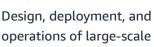
**Test Engineer** Embed testing and quality best practices for software development

from design to release, throughout









the product life cycle.

**Cloud DevOps** 

**Engineer** 

end-to-end automated CI/CD DevOps pipelines. **DevSecOps Engineer** Accelerate enterprise cloud

global hybrid cloud computing environment, advocating for











### adoption while enabling rapid and stable delivery of capabilities

using CI/CD principles, methodologies, and technologies Security **Cloud Security Engineer** 



# Design computer security architecture

#### and develop detailed cyber security designs. Develop, execute, and track performance of security measures to

protect information. **Cloud Security Architect** Design and implement











#### applying governance to identify, communicate, and minimize business and technical risks.

enterprise cloud solutions

Networking **Network Engineer** Design and implement computer and information networks, such



Optional for IT/ cloud professionals







#### as local area networks (LAN), wide area networks (WAN), intranets, extranets, etc.

## AI/ML **Prompt Engineer**

Design, test, and refine text prompts to optimize the performance of AI language models. **Machine Learning** 



Optional for IT/ cloud professionals











Dive Deep

### Research, build, and design artificial intelligence (AI) systems

Engineer

Engineer

### to automate predictive models, and design machine learning systems, models, and schemes.

**Machine Learning Ops** 

Build and maintain AI and ML

platforms and infrastructure.

Design, implement, and operationally support AI/ML model activity and deployment infrastructure. **Data scientist** Develop and implement AI/











performance.

ML models to solve business problems. Irain and fine tune models and evaluate their

Step 1

Get to know the

exam with exam-style





Step 3

Review and practice for

your exam in



Step 4

Assess your exam

readiness. Approach

exam day with confidence

questions **AWS Skill Builder** 

Step 2

Refresh your AWS

Knowledge and skills with

**AWS Skill Builder** 

Here's what AWS Certification holders have to say:



"Certifications add credibility and demonstrate my commitment to learning and implementing best practices in real-life projects. The AWS Certified Solutions Architect – Professional and AWS Certified DevOps Engineer – Professional certifications gave me the best ratio of time and effort to value and have done the most for my reputation." —Igor Soroka, freelance cloud software consultant



"Now I have a much better understanding of the AWS ecosystems, what services exist, and what use cases fit each service. I started with the AWS Certified Solutions Architect – Associate and I now hold 10 AWS Certification(s). What I learned really changed my perspective of what's possible in the cloud and transformed the way I work and how quickly I can get things done." -Rola Dali, Senior Lead, Data Science

