

# CERTIFICATIONS OVERVIEW



Professional



Associate



Architect

Operations

Developer

Data Science

Specialty



Foundational



\*Machine Learning Engineer and Data Engineer certifications are currently only available on Skill Builder.



# AWS Roles & Certification

## ARCHITECTURE

### Solutions Architect

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



### Application Architect

Design significant aspects of application architecture including user interface, middleware, and infrastructure, and ensure enterprise-wide scalable, reliable, and manageable systems.



## OPERATIONS

### Systems Administrator

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 systems to maintain data safety.



## DEVELOPMENT

### Software Development Engineer

Develop, construct, and maintain software across platforms and devices.



## DATA ANALYTICS

### Cloud Data Engineer

Automate collection and processing of structured/semi-structured data and monitor data pipeline performance.



## DEVOPS

### Test Engineer

Embed testing and quality best practices for software development from design to release, throughout the product life cycle.



### Cloud DevOps Engineer

Design, deployment, and operations of large-scale global hybrid cloud computing environment, advocating for end-to-end automated CI/CD DevOps pipelines.



### DevSecOps Engineer

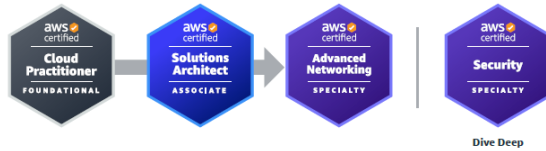
Accelerate enterprise cloud adoption while enabling rapid and stable delivery of capabilities using CI/CD principles, methodologies, and technologies



## NETWORKING

### Network Engineer

Design and implement computer and information networks, such as local area networks (LAN), wide area networks (WAN), intranets, extranets, etc.



## AI / ML

### Machine learning engineer

Research, build, and design artificial intelligence (AI) systems to automate predictive models, and design machine learning systems, models, and schemes.



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

