

# AWS Learning Pathway

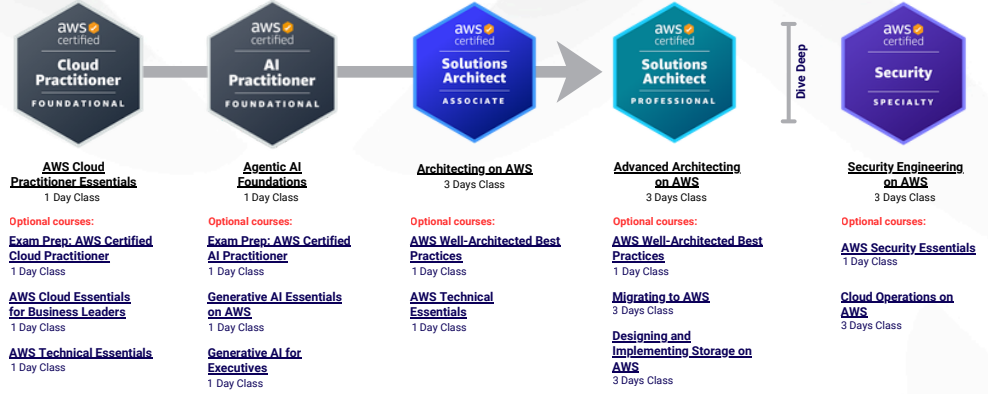
## ROLES

## AWS CERTIFICATION PATHS

### Architecture

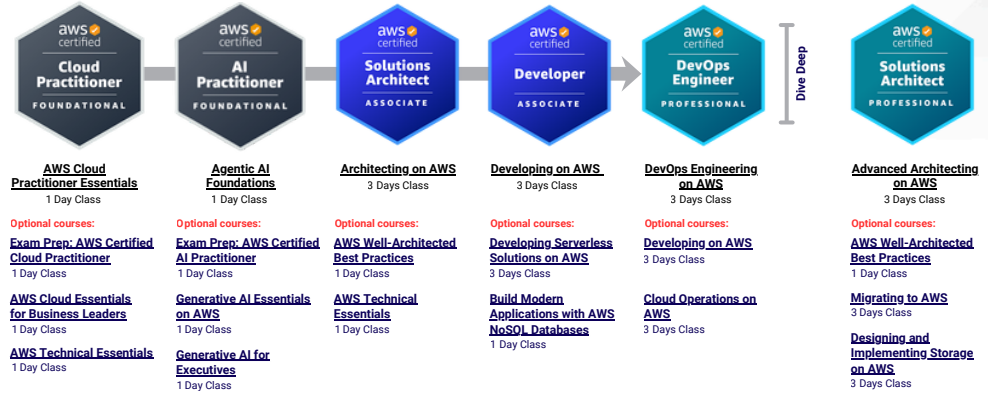
#### SOLUTIONS ARCHITECT

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.



### Data Analytics

#### CLOUD DATA ENGINEER

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



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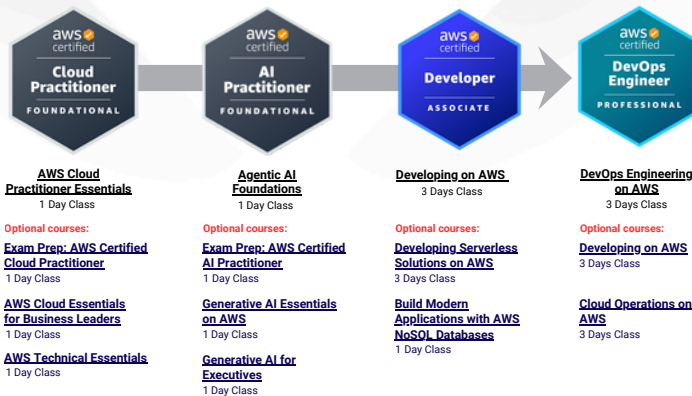
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### Development

#### SOFTWARE DEVELOPMENT ENGINEER

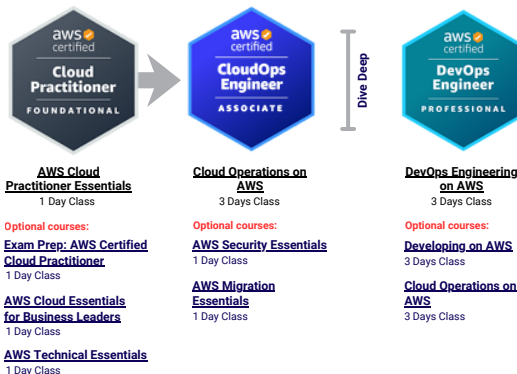
Develop, construct, and maintain software across platforms and devices.



### Operations

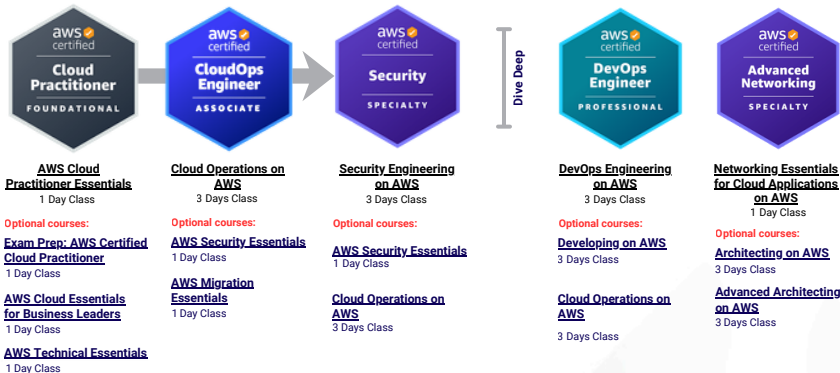
#### SYSTEMS ADMINISTRATOR

Install, upgrade, and maintain computer components and software, and integrate automation processes.



#### CLOUD ENGINEER

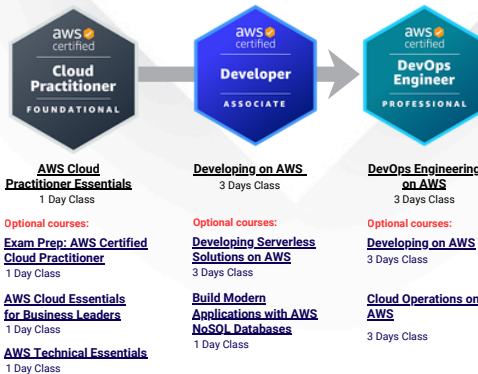
Implement and operate an organization's networked computing infrastructure and implement security systems to maintain data safety.



### DevOps

#### TEST ENGINEER

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





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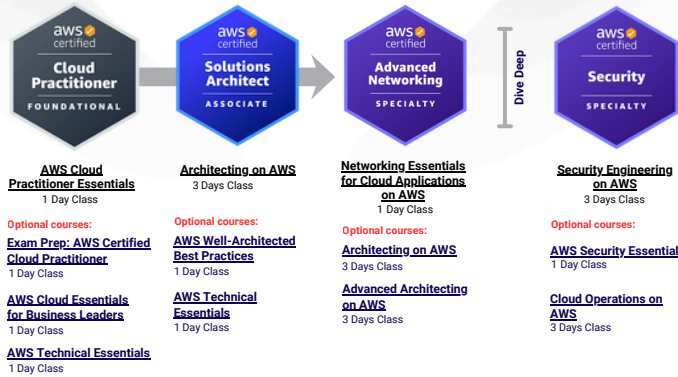
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### Networking

#### NETWORK ENGINEER

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



### AI/ML

#### PROMPT ENGINEER

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



#### MACHINE LEARNING ENGINEER

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



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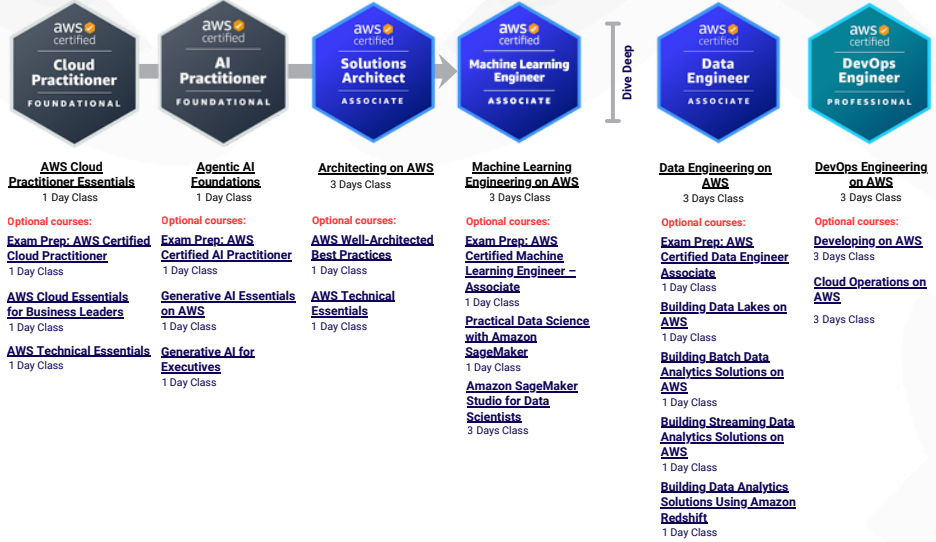
## ROLES

## AWS CERTIFICATION PATHS

### AI/ML

#### MACHINE LEARNING OPS ENGINEER

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/ ML models to solve business problems. Train and fine tune models and evaluate their performance.

