AWS Ramp-Up Guide: Developer

These are the most salient learning resources from our classrooms, digital curricula, video library, and AWS Lab Environment, that relate to pursuing the role of Cloud Developer. This guide is not intended to be consumed entirely. Different sections tackle different objectives. Some resources will be less relevant to you today.   The guide will help you decide where you want to start your learning journey, and which step should be your next.

Share *your opinion* of this Ramp-Up Guide with us!

Learn the Fundamentals of the AWS Cloud	
Learning Resource	**Type**
AWS Ramp-Up Guide: Cloud Essentials	Ramp-Up Guide

Services for Developers		
Learning Resource	**Duration (*hrs*)**	**Type**
Introduction to AWS CodeBuild	0.2	Digital Training
Introduction to AWS CodeCommit	0.3	Digital Training
Introduction to AWS CodePipeline	1.2	Digital Training
Introduction to AWS CodeStar	1.2	Digital Training
Introduction to AWS CodeDeploy	1.5	Self-Paced Lab
Introduction to AWS Command Line Interface (CLI)	0.2	Digital Training
Introduction to AWS OpsWorks Stacks	0.2	Digital Training
Introduction to AWS OpsWorks for Chef Automate	0.2	Digital Training
Introduction to AWS X-Ray	0.1	Digital Training

Compute: Containers			
Learning Resource		**Duration (*hrs*)**	**Type**
	Introduction to AWS Elastic Beanstalk	0.2	Digital Training
	Introduction to Containers	0.3	Digital Training
	Introduction to AWS Fargate	0.2	Digital Training
	Amazon Elastic Container Service (ECS) Primer	0.5	Digital Training
	Introduction to Amazon Elastic Container Service	0.2	Digital Training
$	Working with Amazon Elastic Container Service	1.0	Self-paced Lab

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Introduction to Amazon Elastic Container Registry	0.2	Digital Training
$ Introduction to Amazon Elastic Container Registry	1.0	Self-paced Lab
Getting Started with Bottlerocket	0.5	Digital Training

Compute: Serverless

Learning Resource	Duration (*hrs*)	Type
Getting into a Serverless Mindset	0.5	Digital Training
Introduction to Serverless Development	0.4	Digital Training
AWS Lambda Foundations	2.0	Digital Training
Amazon API Gateway for Serverless Applications	2.0	Digital Training
Introduction to Amazon API Gateway	0.2	Digital Training
Designing Event-Driven Architectures	2.0	Digital Training
Deploying Serverless Applications	1.5	Digital Training
Building Event-Driven Application with Amazon EvenBridge or…	2.0	Digital Training
$ Building Event-Driven Application with Amazon EvenBridge (includes labs)	3.0	Digital Training + Labs

.NET Development

Learning Resource	Duration (*hrs*)	Type
AWS Tools to Develop, Run, and Modernize .NET Workloads	1.0	Digital Training
Getting Started with .NET on AWS	1.5	Digital Training
$ Getting Started with .NET on AWS	2.0	Self-Paced Lab
.NET Workloads on AWS App Runner	2.0	Digital Training
.NET Workloads on AWS Lambda **or…**	1.5	Digital Training
$ .NET Workloads on AWS Lambda (Includes Labs)	3.0	Digital Training + Labs
.NET Workloads on Amazon ECS and AWS Fargate **or…**	3.0	Digital Training
$ .NET Workloads on Amazon ECS and AWS Fargate (includes labs)	3.0	Digital Training + Labs
Modernize .NET Applications – Infrastructure as Code and CI/CD	1.5	Digital Training

Building Solutions

Learning Resource	Duration (*hrs*)	Type

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	Learning Resource	Duration	Type
	Build and Deploy APIs with a Serverless CI/CD (devops)	0.8	[Digital Training](#)
	Using a Token-based Approach to Build Highly Secure, Stateless, and Decoupled Applications	1.5	[Digital Training](#)
$	Automating AWS Services with Scripting and the AWS CLI	1.3	[Self-Paced Lab](#)
$	Deploying a Static Website using AWS Cloud Development Kit	1.3	[Self-Paced Lab](#)
$	Frontend is for Everyone	1.5	[Self-Paced Lab](#)
$	Managing Applications at Scale with Amazon ECS	1.5	[Self-Paced Lab](#)
	Accelerating Messaging Modernization with Amazon MQ	1.5	[Digital Training](#)
	Deep Dive on AWS Fargate: Building Serverless Containers at Scale	0.7	[Digital Training](#)
	Deep Dive on Container Security	0.5	[Digital Training](#)
$	Working with AWS CodeCommit	1.5	[Self-Paced Lab](#)

Learning with Peers

	Learning Resource	Duration (*hrs*)	Type
	Developing on AWS	18.0	[Instructor-led Training](#)
	Advanced Developing on AWS	18.0	[Instructor-led Training](#)
	Developing Serverless Solutions on AWS	18.0	[Instructor-led Training](#)

With Our Training Partners

	Learning Resource	Duration (*hrs*)	Type
$	Building Modern Java Applications on AWS	12.0	[Coursera Digital Training:](#)
$	Building Modern node.js Applications on AWS	12.0	[Coursera Digital Training:](#)
$	Building Modern node.js Applications on AWS	12.0	[edX Digital Training](#)
$	Building Modern Python Applications on AWS	12.0	[Coursera Digital Training:](#)
$	Building Modern Python Applications on AWS	12.0	[edX Digital Training](#)

Additional Resources

	Learning Resource	Type
	Tools to Build on AWS	[Webpage](#)
	Learn how to migrate your ASP.NET app to AWS in minutes!	[Tutorial](#)

Learn the basics of Python on AWS	Workshop
Best practices for CI/CD using AWS Fargate and Amazon ECS	Video
ECS Workshop	Workshop
Getting Started with Lambda Tutorial	Tutorial
EKS Workshop	Workshop
De-mystifying cluster networking for Amazon EKS Worker nodes	Blog Posts
Build a Modern Web Application in your preferred language	Workshop
Modernization Workshops with 3rd Party Integration	Workshop
Build web and mobile apps with AWS Amplify	Tutorial
Build a React Application using AWS Amplify	Tutorial
Build a Full-Stack iOS App using AWS Amplify	Tutorial
Mobile applications how to blog directory	Blog Posts
CI/CD for serverless applications	Workshop
Create a near real-time multiplayer game built on AWS	Workshop
AWS Developer Center	Webpage
Instrumenting distributed systems for operational visibility	Webpage

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