

AWS Developer – Associate

Course syllabus · Live online · Associate

Build, deploy, secure and debug cloud applications on AWS and prepare for the Developer – Associate certification.

Live training	54 hours in total
Weekday batch	6 weeks · Monday to Friday, 2 hours per day (10 hours a week)
Weekend batch	7 weeks · Saturday and Sunday, 4 hours each day (8 hours a week)
Self-practice	about 36 hours in total (labs, assignments, revision)
Total effort	about 90 hours including self-practice
Mode	Live instructor-led online sessions · session recordings after each class · small batches
Trainer	Ameya Vaidya
Batch start	Shared by our counselor
Batch timings	Weekday / weekend options, shared by our counselor
Course fee	Shared by our counselor (varies with current offers)

Who is this for?

Developers, software engineers and Python/Java/JavaScript programmers moving to AWS.

Prerequisites

Basic programming knowledge in any language and cloud fundamentals.

What you will learn

- Develop applications using AWS SDKs and APIs
- Build serverless applications with Lambda, API Gateway and DynamoDB
- Secure applications with IAM, Cognito and KMS
- Automate deployments with CI/CD services
- Monitor, troubleshoot and optimize applications

Tools and technologies

Lambda · API Gateway · DynamoDB · S3 · SQS/SNS · Cognito · CodePipeline · CloudWatch · AWS SDK (boto3) · SAM

Detailed syllabus

#	Module	Hours	Topics	Hands-on
1	AWS Foundations for Developers	4	• Accounts, IAM and the CLI • SDKs and boto3 • Regions and service limits	Configure the CLI and call APIs with boto3
2	Compute: EC2 and Elastic Beanstalk	4	• EC2 for developers • User data and instance roles • Elastic Beanstalk deployment	Deploy an app to Beanstalk

#	Module	Hours	Topics	Hands-on
3	Storage with S3	5	• Buckets, objects, versioning • Pre-signed URLs, event notifications • Encryption options	S3 event-driven processing
4	Databases: DynamoDB and RDS	7	• DynamoDB keys, indexes, capacity • Streams, TTL and transactions • RDS and ElastiCache for developers	Build a DynamoDB data access layer
5	Serverless with Lambda	7	• Lambda execution model, layers, concurrency • Triggers and event sources • Error handling and destinations	Lambda triggered by S3 and SQS
6	APIs and Messaging	6	• API Gateway REST and HTTP APIs • SQS, SNS, EventBridge • Step Functions basics	Serverless REST API
7	Security	5	• IAM roles and policies for apps • Cognito user and identity pools • KMS, Secrets Manager, Parameter Store	Secure an API with Cognito
8	CI/CD and Infrastructure as Code	6	• CodeCommit/CodeBuild/CodeDeploy/CodePipeline • CloudFormation and SAM • Deployment strategies	Pipeline that deploys a SAM app
9	Monitoring and Troubleshooting	5	• CloudWatch metrics, logs, alarms • X-Ray tracing • Performance and cost optimization	Trace and debug a failing service
10	Exam Preparation	5	• Exam format and strategy • Domain revision • Two mock exams with review	Mock exams
	Total live hours	54		

Projects

- Serverless REST API with authentication
- CI/CD pipeline for a SAM application

Assessment

Weekly assignments, module quizzes and mock exams.

Certification

Prepares you for the AWS Certified Developer – Associate exam.

What is included

- Live instructor-led online sessions
- Hands-on labs and assignments
- Session recordings after each class
- Doubt-solving support
- Course completion certificate
- Small interactive batches
- Unpaid internship opportunities

Our promise: we do not offer guaranteed-placement claims. We focus on building genuine skills so you are capable of clearing interviews and doing the job. Unpaid internship opportunities are available for practical exposure. Fees and batch dates vary with current offers, so please confirm them with our counselor. This syllabus is indicative and may be updated to reflect industry changes.

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