APPLIED TECHNOLOGY ACADEMY

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Developing on AWS Training

Award Winning Training · Applied Technology Academy

This course will help you learn how to use AWS services and developer tools, such as the AWS SDK and AWS CLI to develop secure and scalable cloud applications from an expert AWS instructor. You will explore how to interact with AWS using code and discuss key concepts, best practices, and troubleshooting tips. In this 3-day, classroom training course you will learn how to programmatically interact with AWS services to build web solutions.

LEVEL	DURATION	EXPERIENCE	AVERAGE SALARY	LABS
Intermediate	**3 Days**	**2 years: Programming**	**$130,000**	**Yes**

Course Overview

In this course, you will learn how to:

- Set up the AWS SDK and developer credentials for Java, C#/.NET, Python, and JavaScript
- Interact with AWS services and develop solutions by using the AWS SDK
- Use AWS Identity and Access Management (IAM) for service authentication
- Use Amazon Simple Storage Service (Amazon S3) and Amazon DynamoDB as data stores

Integrate applications and data by using AWS Lambda, Amazon API Gateway, Amazon Simple Queue Service (Amazon SQS), Amazon Simple Notification Service (Amazon SNS), and AWS Step Functions

- Use Amazon Cognito for user authentication
- Use Amazon ElastiCache to improve application scalability
- Use containers in the development process
- Leverage the CI/CD pipeline to deploy applications on AWS

Course Outline

- Introduction to AWS
- Introduction to Developing on AWS
- Introduction to AWS Identity and Access Management
- Developing Storage Solutions with Amazon S3
- Developing Flexible NoSQL Solutions with Amazon DynamoDB
- Developing Solutions with AWS Lambda
- Developing Solutions with Amazon API Gateway
- Developing Solutions with Amazon SQS and Amazon SNS
- Developing Event-Driven Solutions with AWS Step Functions
- Caching Information for Scalability

- Getting Started with Containers
- Developing Secure Solutions
- Deploying Applications

Intended Audience

This course is intended for:

Intermediate-level software developers

Prerequisites

We recommend that attendees of this course have the following prerequisites:

- In-depth knowledge of at least one high-level programming language
- Working knowledge of core AWS services and public cloud implementation

Follow-On Courses

- Systems Operations on AWS
- Advanced Developing on AWS
- Cloud Operations on AWS

Ready to enroll? Call 800.674.3550 or email Info@AppliedTechAc.com — private team cohorts, GSA MAS purchasing, military credentialing funding, VA GI Bill and VR&E and student financing available.