# **3 - AWS Cloud Development Kit Primer**

### Module 1: AWS Cloud Development Kit introduction

• What is the AWS CDK?

• Importance of AWS CDK for your organization.

• Advantages of using AWS CDK

• How AWS CDK interacts with supported programming languages.

• AWS CDK Demonstration

### Module 2: AWS CDK core framework

• What are constructs?

• Using predefined constructs for AWS resources

• Apps and stacks

### Module 3: AWS CDK concepts

• Identifiers

• Environments

• Contexts

• Assets

### Module 4: Working with the AWS CDK Toolkit (CLI)

• AWS CDK ToolKit

• Commands

### Module 5: AWS CDK development

• Working with the AWS Cloud Development Kit

• The power of the AWS CDK

• Testing constructs

• Design best practices

### Module 6: Troubleshooting AWS CDK builds

• Troubleshooting common AWS CDK issues

### Module 7: Wrap up

• Review purpose and scope of AWS CDK

• Review apps, stacks, and constructs

• Review AWS CDK Toolkit

• Review AWS Toolkit for Visual Studio Code

• Recommended resources