

Course Name: Building Modern Python Applications on AWS

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Course Outcomes

- Building a serverless back-end using AWS, cloud-native tools and services.
- It's commonplace to choose to build API driven applications. APIs are everywhere in modern development. Knowing how to build and host APIs on AWS.
- Exploring how to build an API driven application using Amazon API gateway for serverless API hosting.
- AWS Lambda for serverless compute, and Amazon Cognito for serverless authentication.
- An API driven development process is followed at first, then marked up what the API will look like.
- Adding authentication to the API using Amazon Cognito.
- Learning how the authorization flow works with Cognito and how to build it into the APIs.
- Learning how to add a Lambda back-end that will be triggered by API gateway.
- Learning about the different configurations that exist for Lambda, and how to create and manage Lambda functions.
- Some of the features of the API will require multiple Lambda functions to execute in a specific order, like a workflow. So learning how to use AWS step functions to create a serverless workflow.
- Finally, learning how to optimize the APIs at every layer using AWS features.