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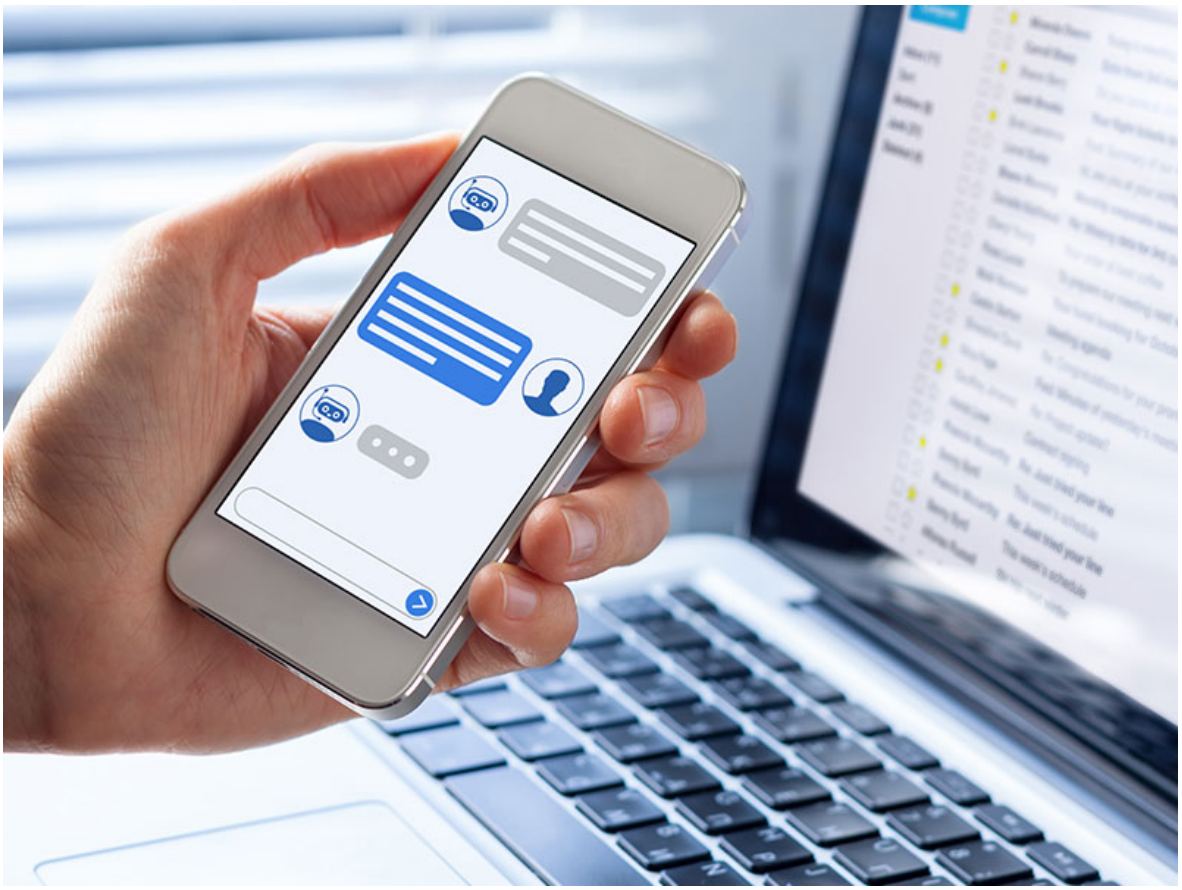
Learning Style: On Demand

Technology:

Difficulty: Intermediate

Course Duration: 5 Hours

Building ChatBots with Amazon Lex



About this course:

Chatbots are a hot new technology - a great way to convey complex information to your customers in a free-flowing, conversational way. Amazon Lex is a great way to build them - an AWS service for building conversational interfaces for any applications using voice and text.

Amazon Lex is state-of-the-art, launched in April 2017. Powered by the same deep

learning based engine as Amazon Alexa. No deep learning or natural language processing expertise is needed to build even complex bots. Provides an intuitive way of specifying the conversational interface. Automatically and dynamically adjusts conversational responses .Easy to build, test and publish app. Supports integration with other platforms such as Slack and Facebook.

The average salary of a Applications *Developer* is **$75,323** per year.

Course Objectives:

After completing this course, students will be able to:

- Build and deploy natural-sounding chatbots
- Design and build sound interaction models for your chatbots
- Implement robust fulfilment models using AWS Lambdas
- Develop third-party apps for Slack and Facebook

Audience:

Website and mobile app developers looking to add chat functionality. Software developers looking to build sophisticated chatbots.

Prerequisites:

Basic python programming. Basic understanding of HTTP and how REST APIs work.

Suggested prerequisites courses:

- Programming with Python for Data Science.

Career path:

App Development…

Course Outline:

You, This Course and Us

You, This Course and Us
Source Code and PDFs

The Big Picture: Lex, Alexa and AWS

Course Outline
Lex and Alexa
Evolution Of HCI And Voice Interfaces
Alexa Echo And AWS
Invocations Utterances Intent
AWS Signin
Sample Bots

Custom Bots and IAM
Finish Bot Creation

Interaction Models in Amazon Lex

Module Outline
Creating Intents
Slot Types
Slots
Slot Properties
Sample Utterances
Confirmations
Configuring The Bot
Test Order Coke
Test Order Pizza Fail
Test Order Pizza OK
Cleaning Up Resources

Fulfilment Models in Amazon Lex

Module Outline
Weather Bot
Built In Slot Types
Setting Up Weather Bot
Lambda Intro
Lambda Blueprint
Code Big Picture
Lambda Handler
Constructing Response
Lambda Configuration
Lex Lambda Configuration
Open Weather API
Invoking Open Weather API
Importing External Libraries To AWS Lambda
Versions Aliases And Publishing

Third-party Apps: Chatbots in Slack

Module Outline
Creating Slack Application
Activating Lex Integration
Configuring Stack App

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