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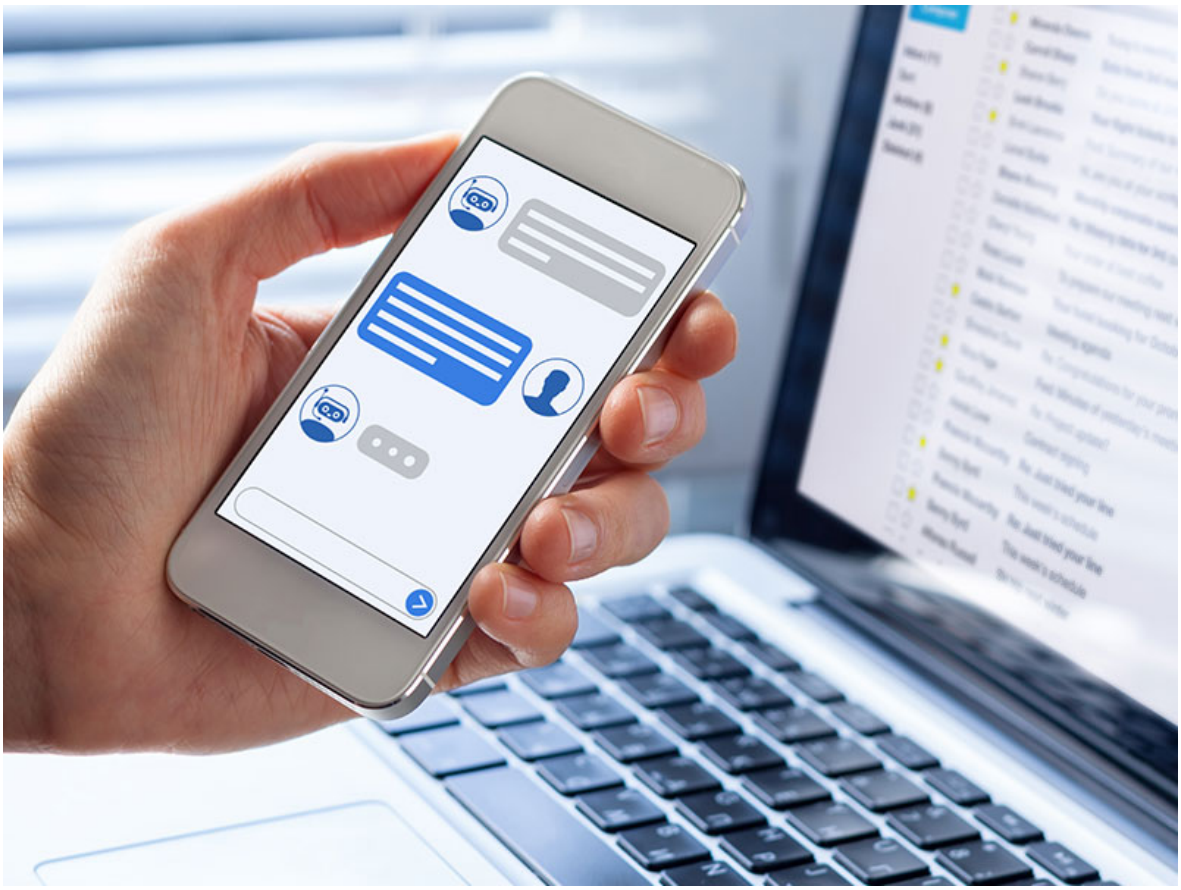
Learning Style: On Demand

Technology:

Difficulty: Intermediate

Course Duration: 5 Hours

Building ChatBots with Amazon Lex



About this Course:

The world of Information Technology is always in the phases of evolution and new and advanced technologies are being developed each passing day. Chatbots are the hottest new technology ruling the world of information technology and present developers an innovative means to convey complex information in a seamless and simple conversational way. Amazon Lex is one of the most popular tools for building interactive and natural-sounding chatbots and this course provides an in-depth

overview of this innovative AWS Service.

This intermediate-level 20 Hours Training Program helps professionals learn the core concepts and functionalities of developing & deploying chatbots. Professionals will learn how to capitalize on the Amazon Lex Core Functionalities to design Sound Interaction Models and Implement Robust Fulfilment Models using AWS Lambdas. Through this course, entry-level professionals with no major expertise in programming can even learn to design & develop complex chatbots. On average, a Professional Application Developer earns $75,323 annually.

Course Objectives:

The core objective of this course is to help professionals develop a better understanding and sound knowledge of the following key concepts:

- Development and Deployment of Natural-Sounding Chatbots
- Sound Interaction Models Designing and Development for Chatbots
- Robust Fulfilment Models Implementation using AWS Lambdas
- Third-Party App Development for Facebook & Slack
- Essentials and Fundamentals of Alexa
- Development of Apps using Amazon’s Alexa and Lex
- Interaction Model Creation such as Intents, Utterances, Prompts, & Slots

Audience:

This course is specifically tailored for the following group of professionals and interested candidates:

- Web Developers & Software Developers
- Mobile App Developers
- Professionals striving to learn Chatbots Development

Prerequisites:

Professionals planning to enroll in the Building Chatbots with Amazon Lex course must comply with the following prerequisites:

Fundamental Knowledge of Python Programming Language
Basic Understanding of Working with REST API
Familiarity with the HTTP Essentials
Certification in Programming with Python for Data Science is recommended

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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