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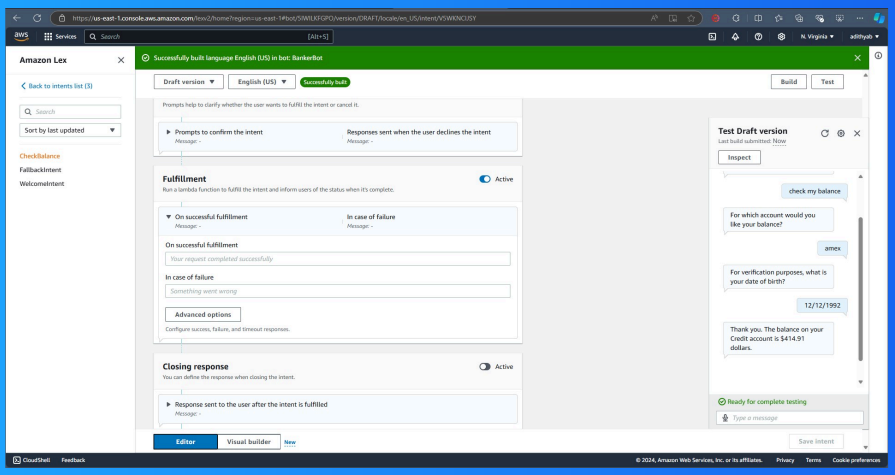
# Connect a Chatbot with Lambda

Adithya Bellamkonda



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# Introducing Today's Project!

## What is Amazon Lex?

AWS Lambda is a serverless compute service that lets you run code in response to events without provisioning or managing servers. It automatically scales and manages the underlying infrastructure, allowing you to focus on writing and deploying your a

## How I used Amazon Lex in this project

I built a banker bot with Amazon Lex in 30 minutes, setting up intents and custom slots. I used AWS Lambda for backend processing, returning random dollar figures for balance inquiries.

## One thing I didn't expect in this project was...

One thing I didn't expect in this project was how quickly and seamlessly I could set up and customize the banker bot using Amazon Lex.

## This project took me...

This project took me about 30 minutes in total.

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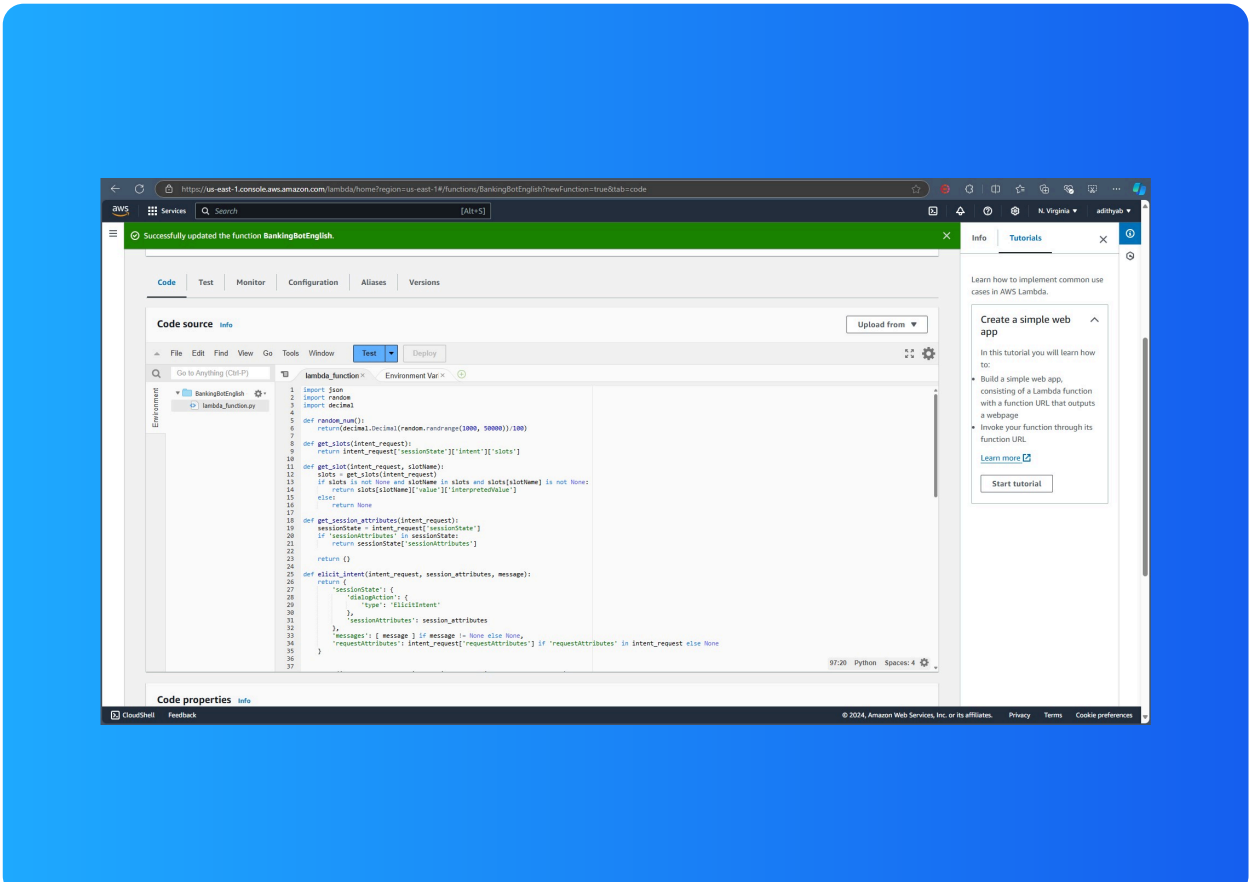
# AWS Lambda Functions

AWS Lambda is a serverless compute service that lets you run code in response to events without provisioning or managing servers. It automatically scales and manages the underlying infrastructure, allowing you to focus on writing and deploying appls.

In this project, I created a Lambda function to handle backend processing for the banker bot, enabling it to perform tasks such as retrieving account information, processing transactions, and interacting with databases in response to user queries.



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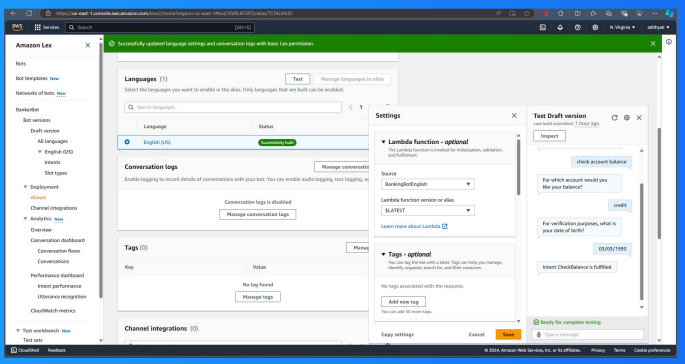
# Chatbot Alias

An alias is a pointer to a specific version of a Lambda function, allowing you to manage and deploy different versions of your function easily. It simplifies the process of directing traffic to specific function versions for testing or production.

TestBotAlias is an alias I created for my Lambda function, allowing me to direct traffic to a specific version of the function for testing purposes without affecting the production environment.

To connect Lambda with my BankerBot, I visited my bot's TestBotAlias and configured it to trigger the appropriate Lambda function, enabling the bot to process user requests and retrieve necessary data seamlessly.



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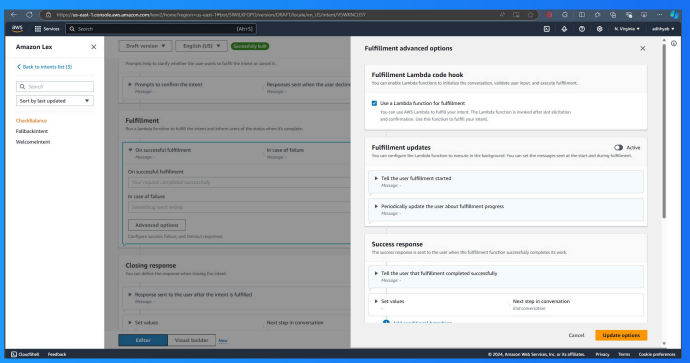
# Code Hooks

Code hooks help you connect your chatbot to custom Lambda functions for doing specific tasks during a conversation. They're used to handle more complex actions that the basic chatbot setup can't do on its own, like checking data from a database.

Even though I already connected my Lambda function with my chatbot's alias, I had to use code hooks because they allow for additional processing and customization of the responses, enabling me to implement specific logic or validation steps.

I could find code hooks at the configuration settings of my Amazon Lex bot, where I could specify the Lambda function to be invoked during the dialog management process for both pre- and post-processing tasks.



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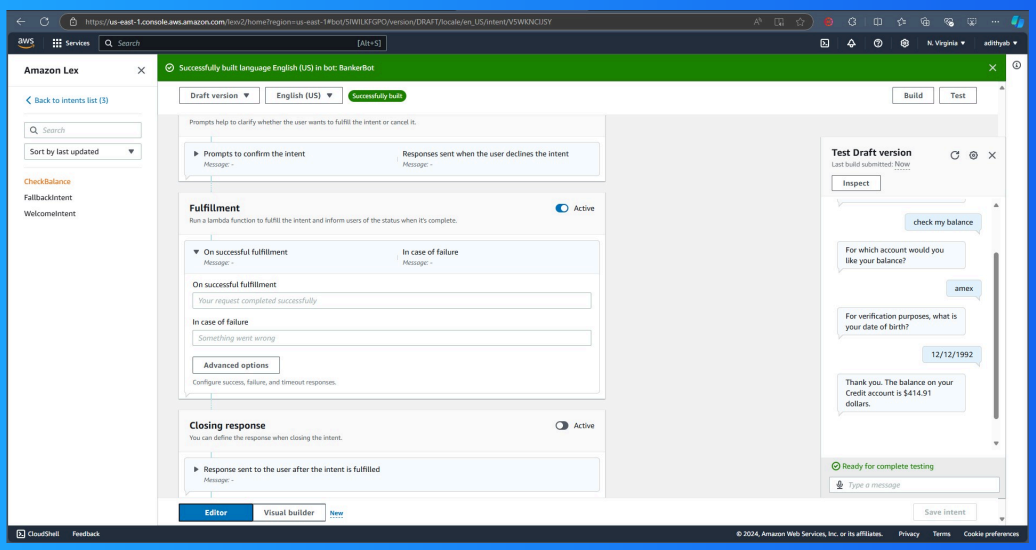
# The final result!

I've set up my chatbot to trigger Lambda and return a random dollar figure when a user asks about their account balance or requests a transaction amount, enhancing the bot's interactivity and user experience.



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