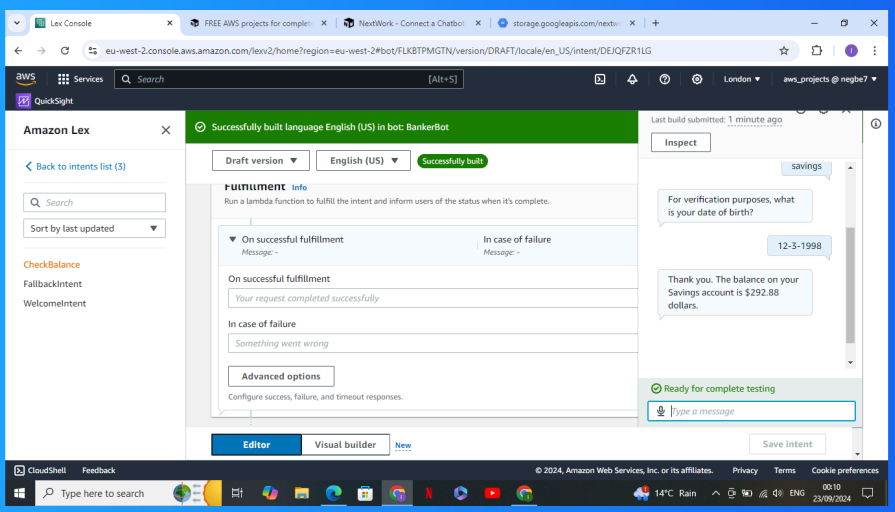
NextWork.org

Connect a Chatbot with Lambda

NE negbenosepierre@gmail.com



NE
negbenosepierre@gmail....
NextWork Student

Introducing Today's Project!

What is Amazon Lex?

Amazon Lex is a service that lets you build conversational interfaces using voice and text. It enables the creation of chatbots that integrate with other AWS services for automation and customer support

How I used Amazon Lex in this project

In today's project, I used Amazon Lex alongside AWS Lambda to enhance my Banker chatbot. This integration allowed the bot to intelligently return a specific account balance figure when asked, making interactions more dynamic

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

the level of ease

This project took me...

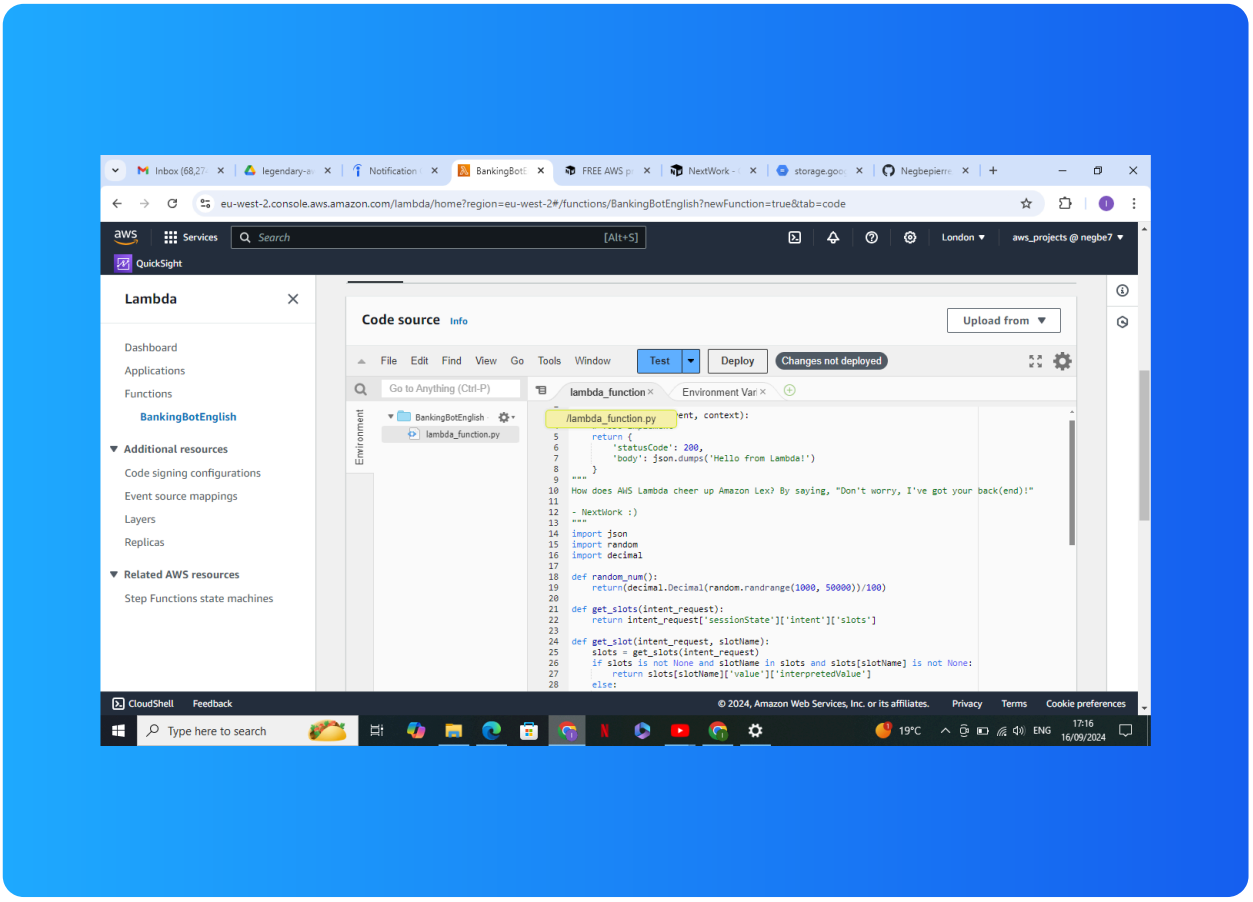
67 minutes

NE
negbenosepierre@gmail....
NextWork Student

AWS Lambda Functions

AWS Lambda is a serverless compute service that runs your code in response to events and automatically manages the underlying infrastructure. It allows you to execute code only when needed, saving costs and scaling effortlessly.

In this project, I created a Lambda function to manage the backend logic of my Banking Bot. The function verifies user inputs, such as account type and date of birth, processes them, and returns the appropriate banking information, ensuring accurate

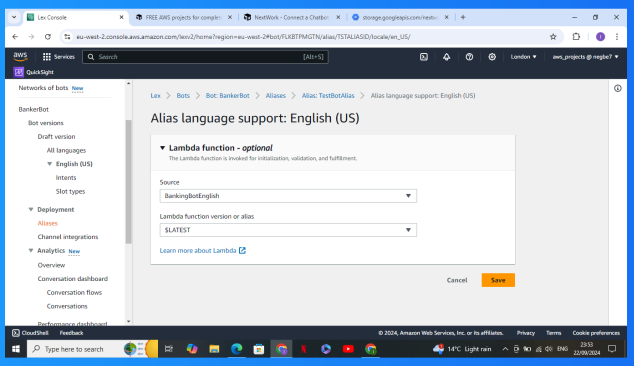


Chatbot Alias

An alias is a pointer or reference to a specific version of a Lambda function. It helps manage and route traffic to different versions of the function, allowing you to easily switch between them, such as for testing and production environments

TestBotAlias is a reference or pointer to a specific version of a chatbot, such as a test version. It allows developers to test different chatbot behaviors and versions without affecting the main or production environment

To connect Lambda with my BankerBot, I visited my bot's TestBotAlias and selected the option to add a Lambda function for validation and fulfillment. This enabled Lambda to process the bot's user inputs efficiently

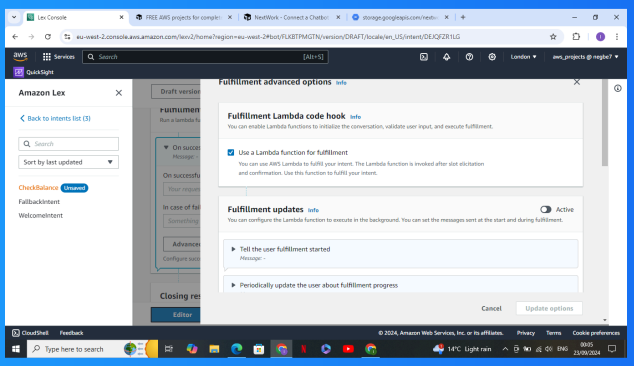


Code Hooks

A code hook is a piece of code that is triggered during the lifecycle of an Amazon Lex bot to validate or fulfill user requests. It allows custom logic to be executed before or after the bot's intent fulfillment

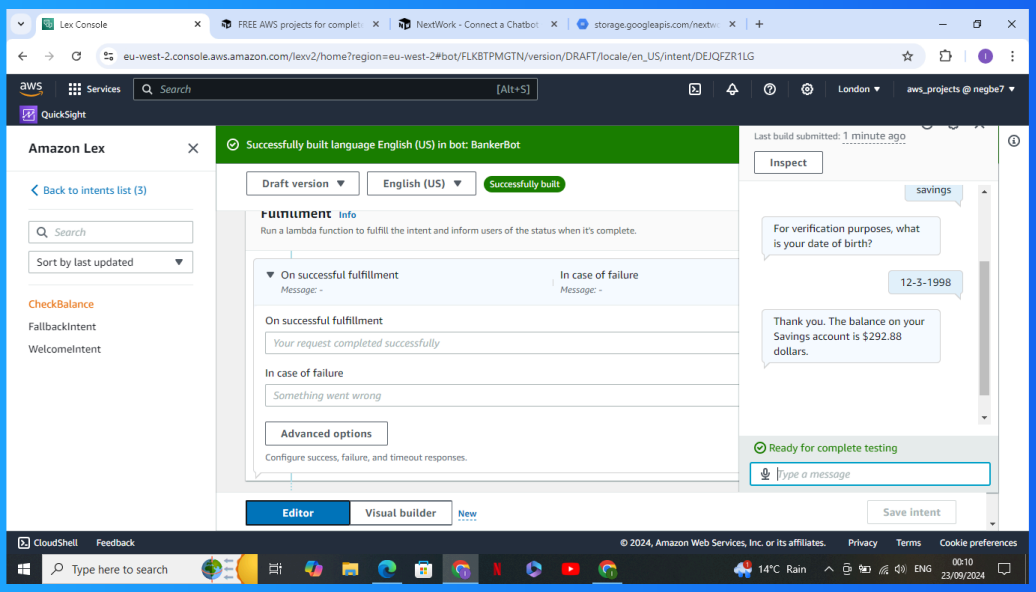
Even though I already connected my Lambda function with my chatbot's alias, I had to use code hooks because they allow me to run custom logic at specific points during the bot's interaction, ensuring accurate responses.

I could find code hooks at the fulfillment section of my chatbot's intents, where I specified when Lambda functions should be triggered to provide dynamic responses during the conversation flow.



The final result!

I've set up my chatbot to trigger Lambda and return a random dollar figure when a user inputs their account type and date of birth for verification purposes. Once verified, the bot displays the balance value.



Everyone should be in a job they love.

Check out nextwork.org for more projects