DEMO

**AWS AMPLIFY – deploy app**

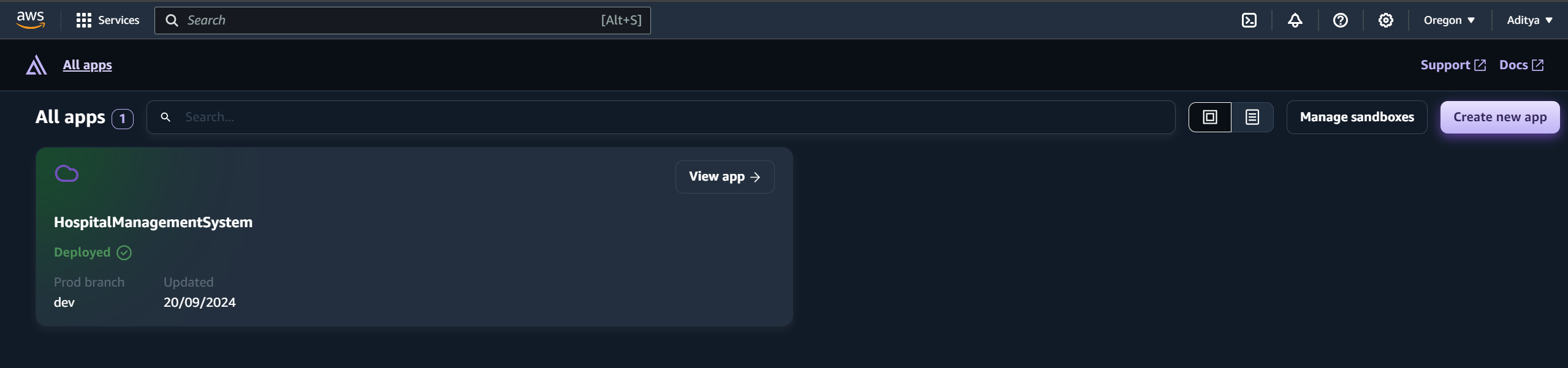
No Git provider

Zip index.html

Give app name & branch name

Drag and drop zipped index.html

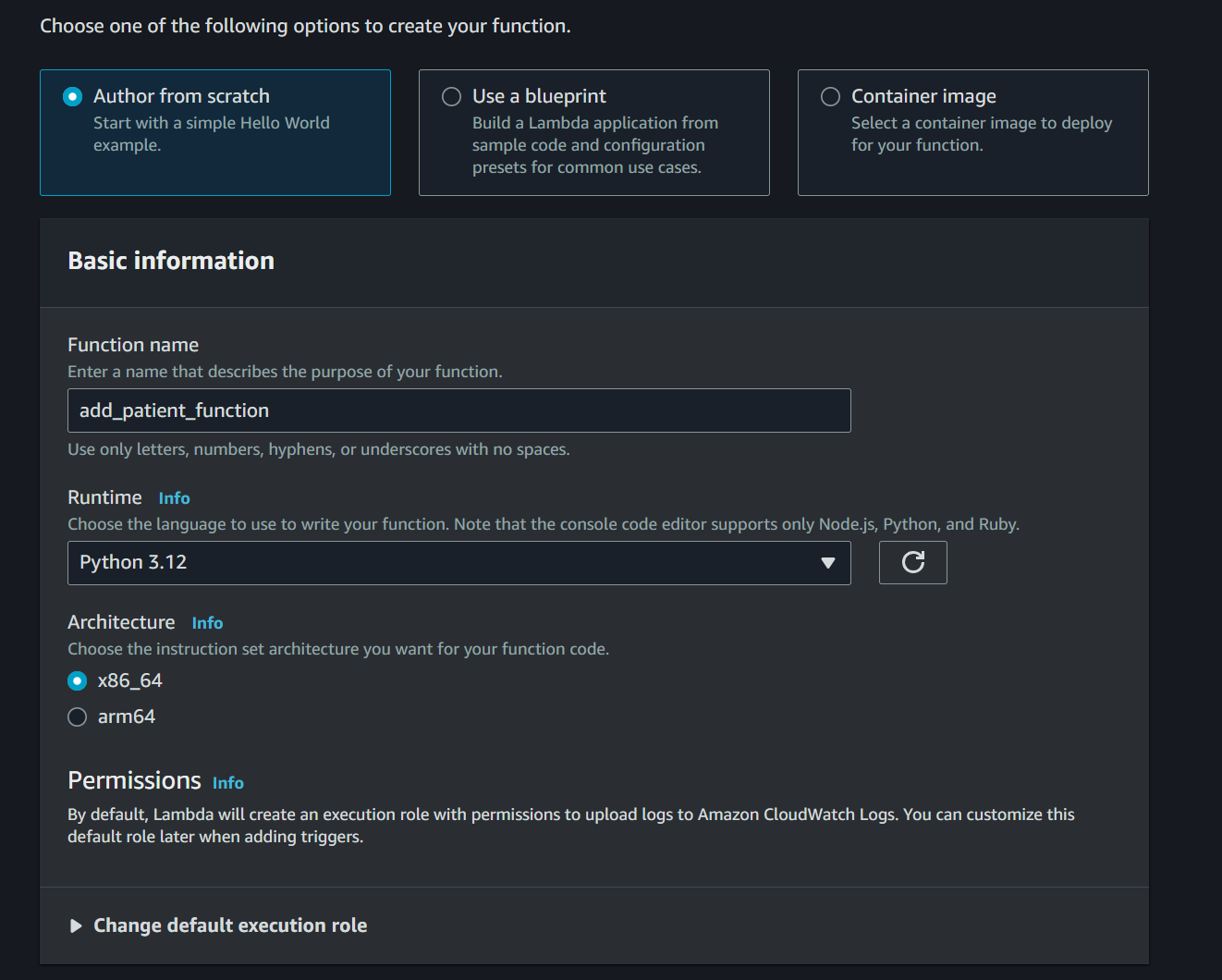
Deploy (filename inside zipped folder mustbe index.html)



**AWS LAMBDA FUNCTION – add functionality**

Create the add patient & search patient function

Author from scratch



Write add patient function

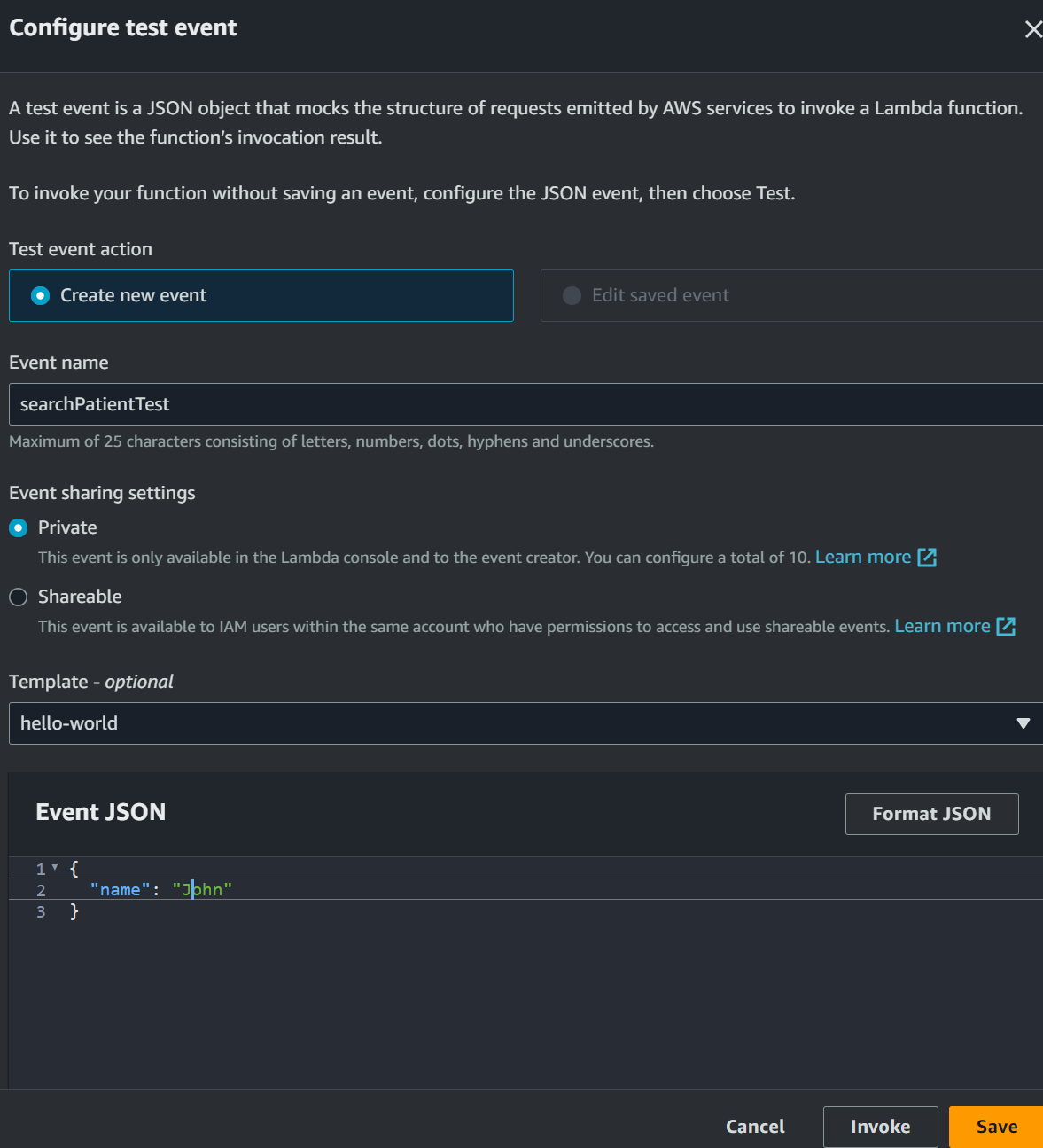
Write search patient function

Deploy function

A screenshot of a computer

Description automatically generated

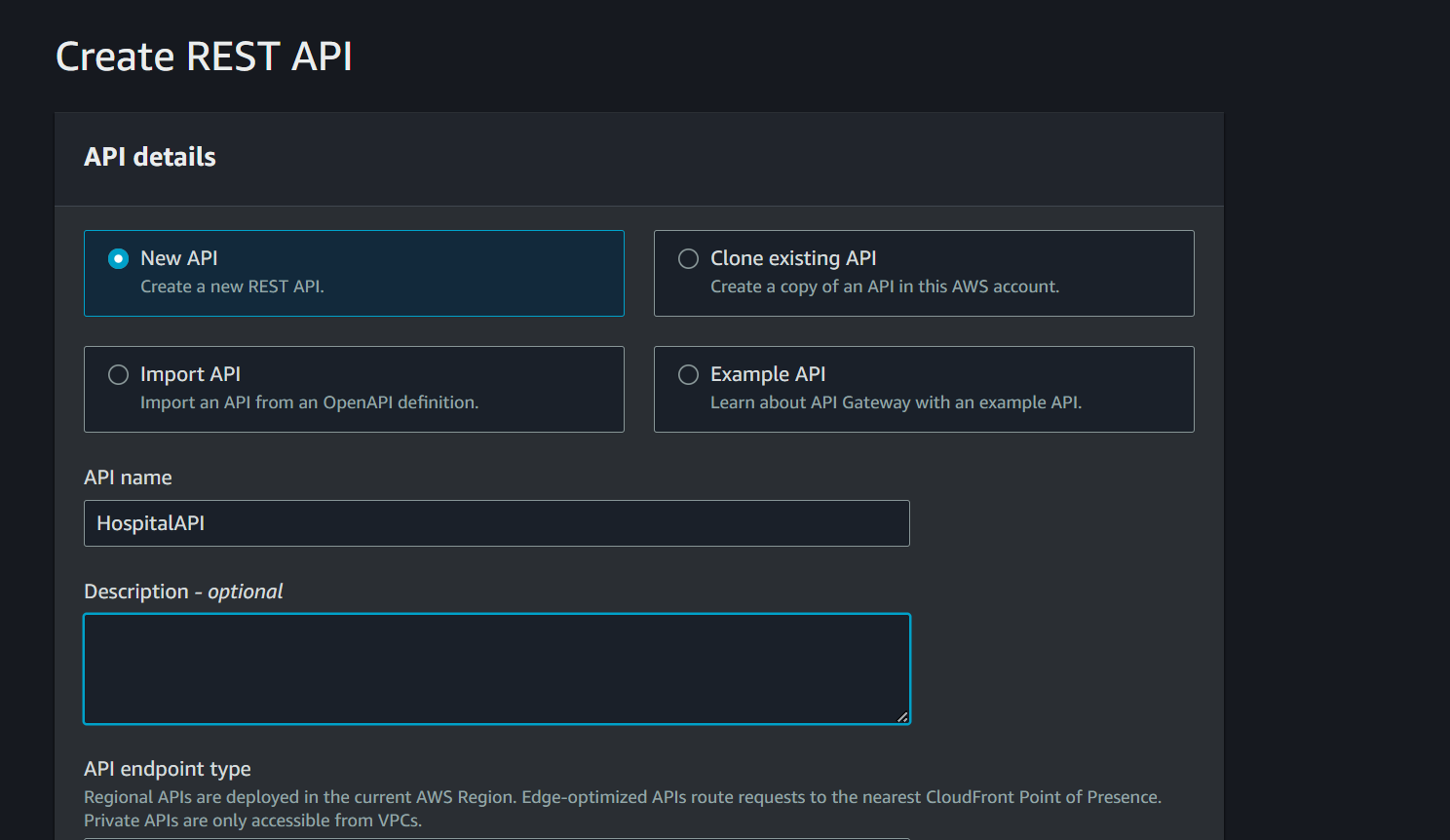
Test function



**API GATEWAY**

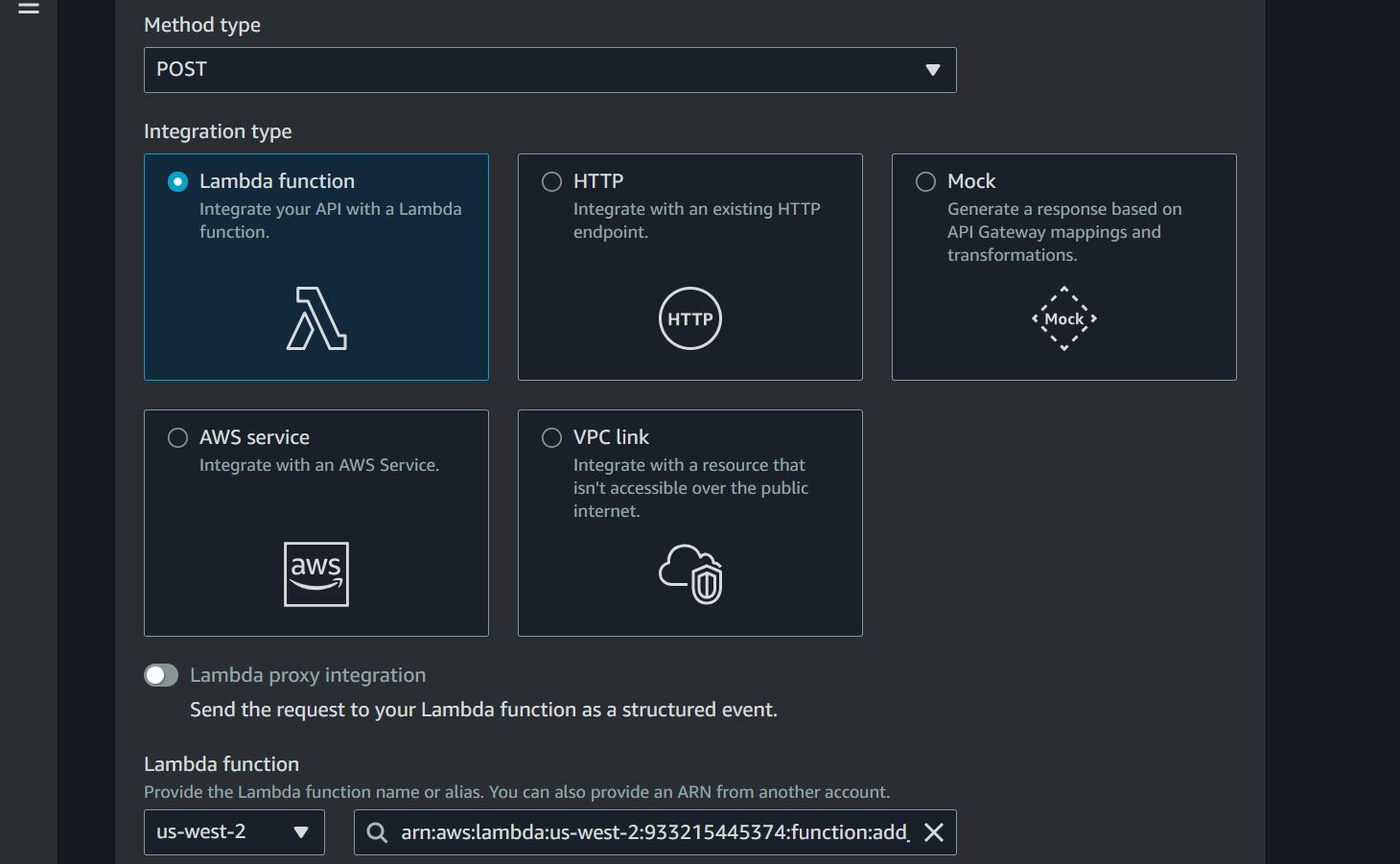
POST /add-patient – Calls the Lambda function to add a new patient.

GET /search-patients – Calls the Lambda function to search or filter patients.

****

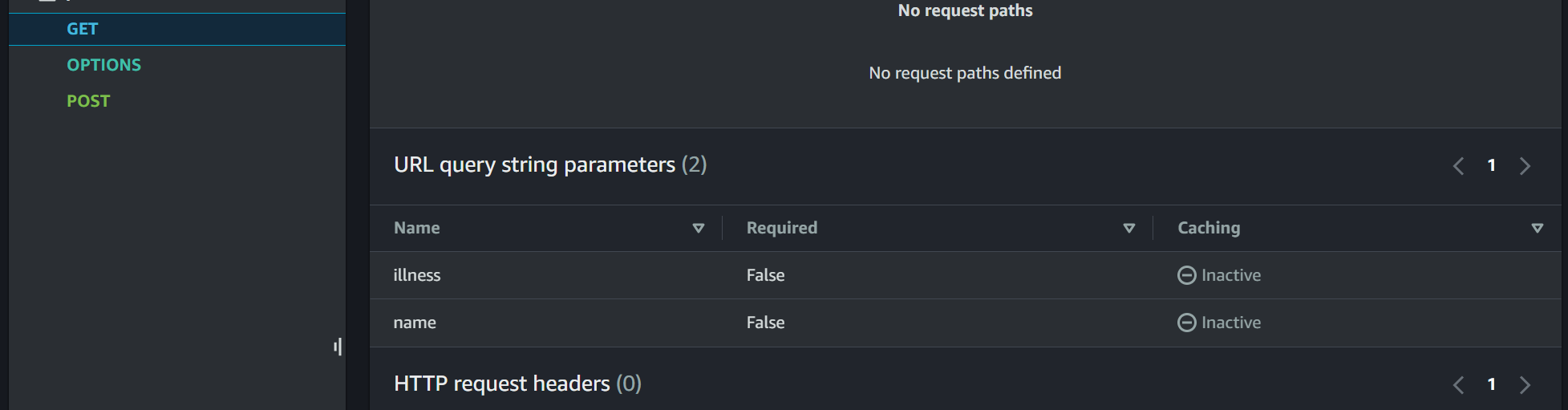
Create method

Post and Get methods



For Get method

Create URL query string parameters to accept (name and illness) in “Method Request section of API GET request”



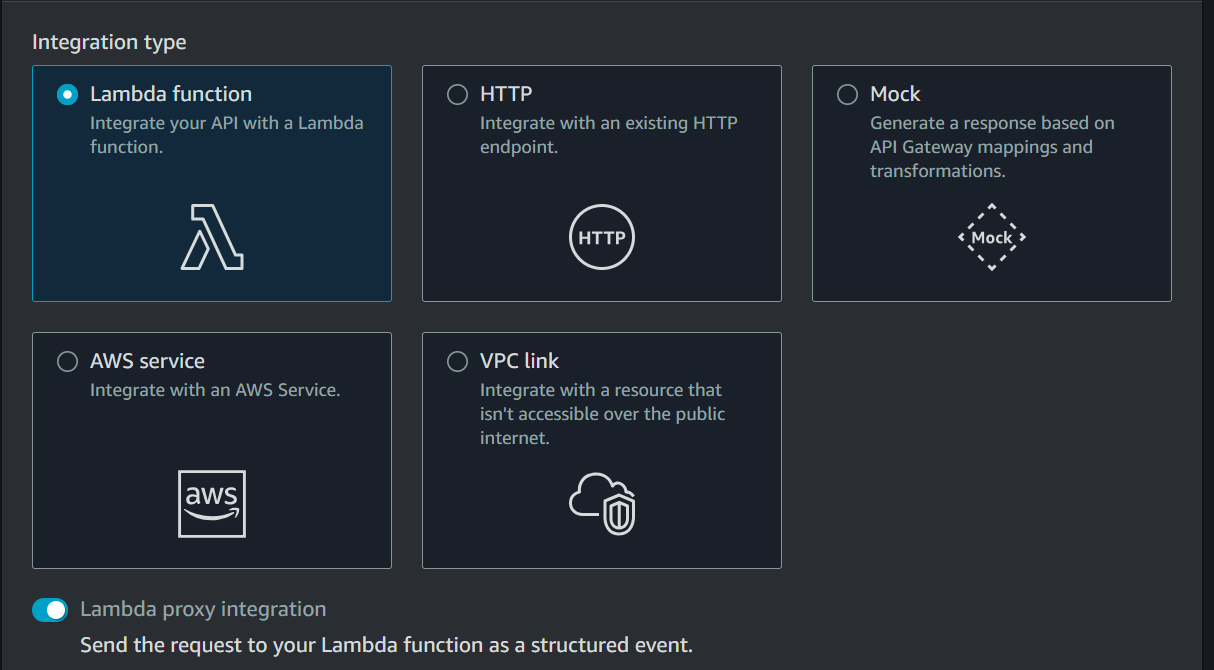
 **Integration Request**:

* In the method settings, look for the **Integration Request** option and click on it.

 **Check Query String Parameters**:

* Scroll down to find the **Query string parameters** section.
* Ensure that the parameters you want to pass (e.g., name, illness) are defined here. If they are not listed, add them by clicking **Add query string**.

**Enable Lambda proxy integration**

****

 **Mapping to Lambda Event**:

* Ensure that each query string parameter is mapped correctly to the Lambda function. The mapping should look something like this:
  + **Name**: name
  + **Mapped from**: method.request.querystring.name
  + Similarly for illness.

 **Save Changes**:

* If you made any changes, be sure to save them.

Enable CORS

to allow cross-origin requests from your Amplify frontend.

Make sure the following headers are included in your CORS configuration:

* Access-Control-Allow-Origin: \*
* Access-Control-Allow-Methods: GET, POST
* Access-Control-Allow-Headers: Content-Type

**A screenshot of a computer

Description automatically generated**

Deploy API with new stage

A screenshot of a computer

Description automatically generated

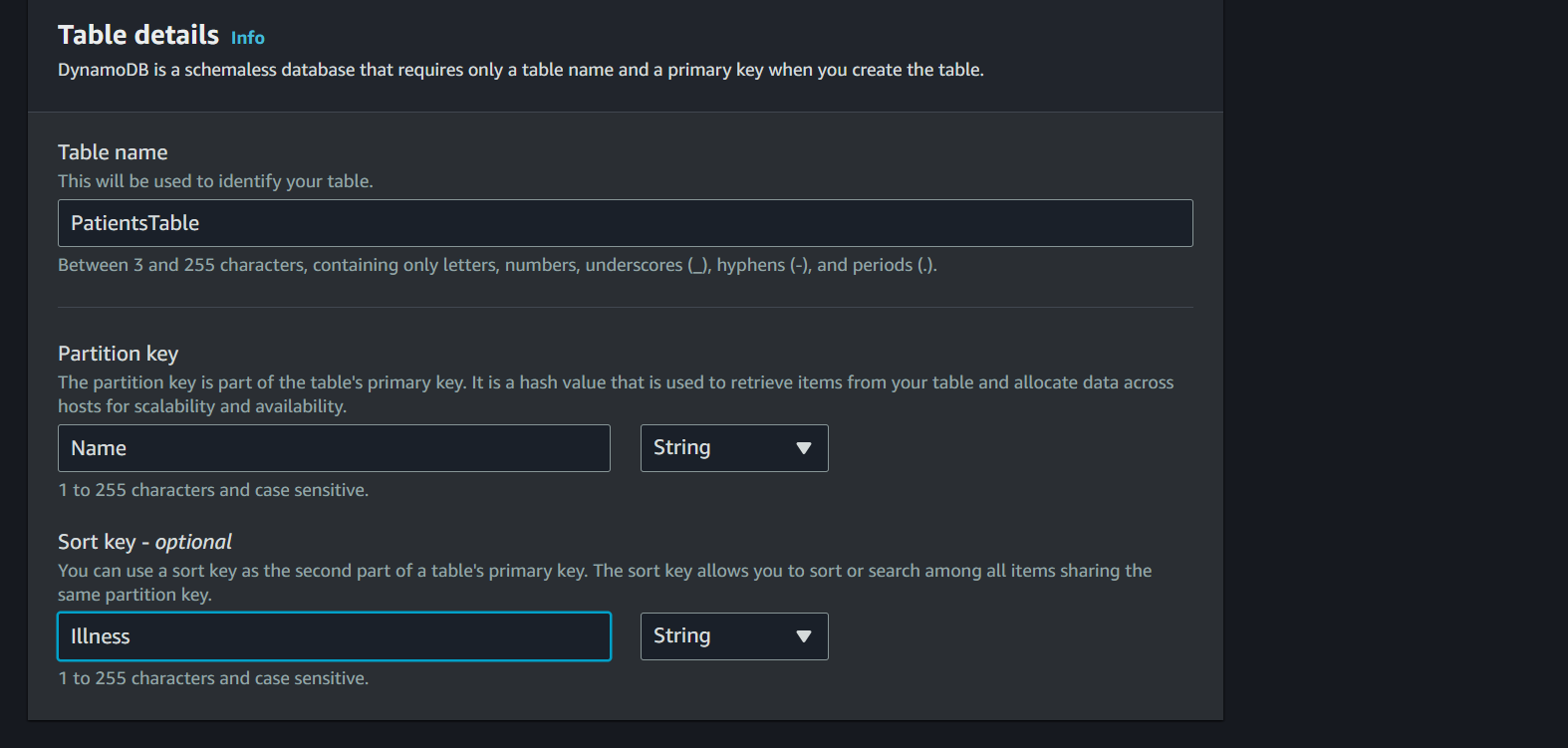
Copy and keep invoke URL for later modification in index.html

**DYNAMODB**

Go to the **DynamoDB Console** and create a table:

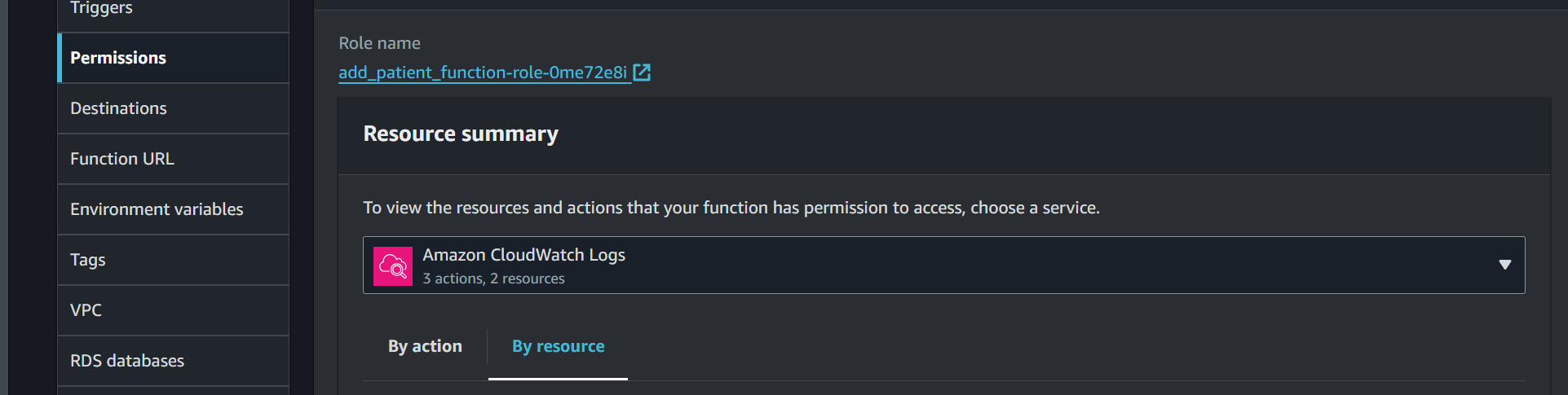
Give table name

Give partition and sort key

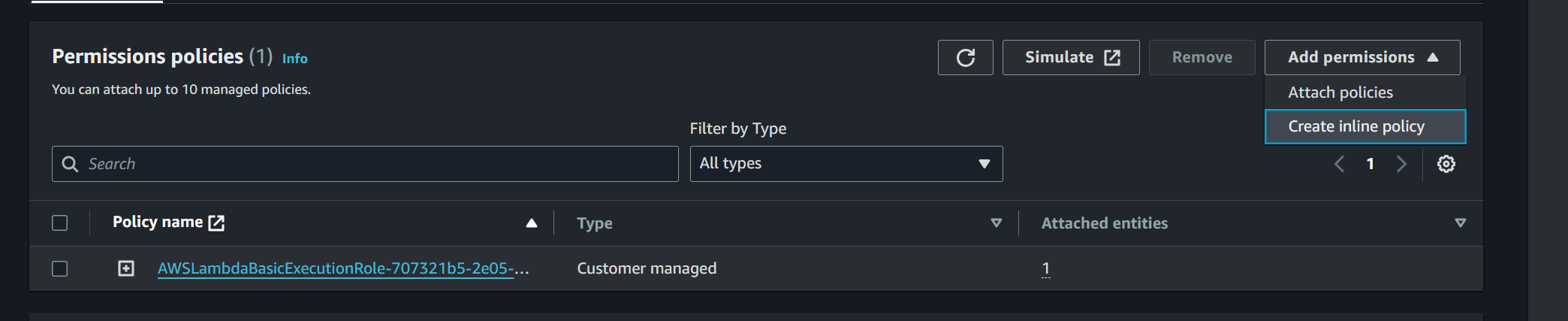


**IAM Role Policy for Lambda functions**

Go to configuration – permissions – role link



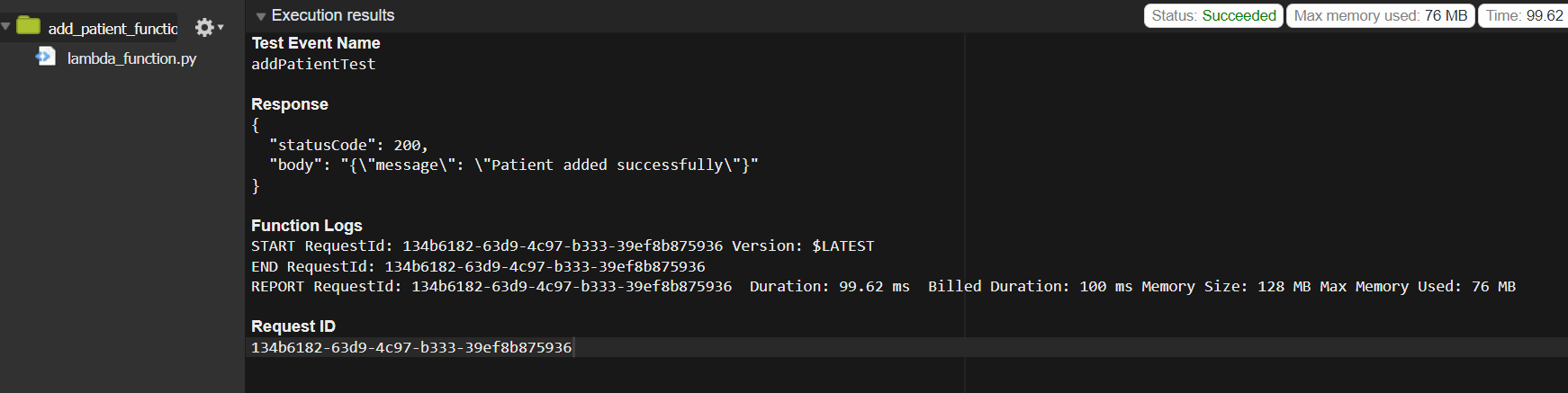
Add permissions – add inline policy



In the permissions give resource as table ARN



Test Lambda Function with test configuration



A screenshot of a computer

Description automatically generated

**Redeploy index.html with API URL**

Add API invoke URL to index.html for modifications

Deploy Updates in Amplify