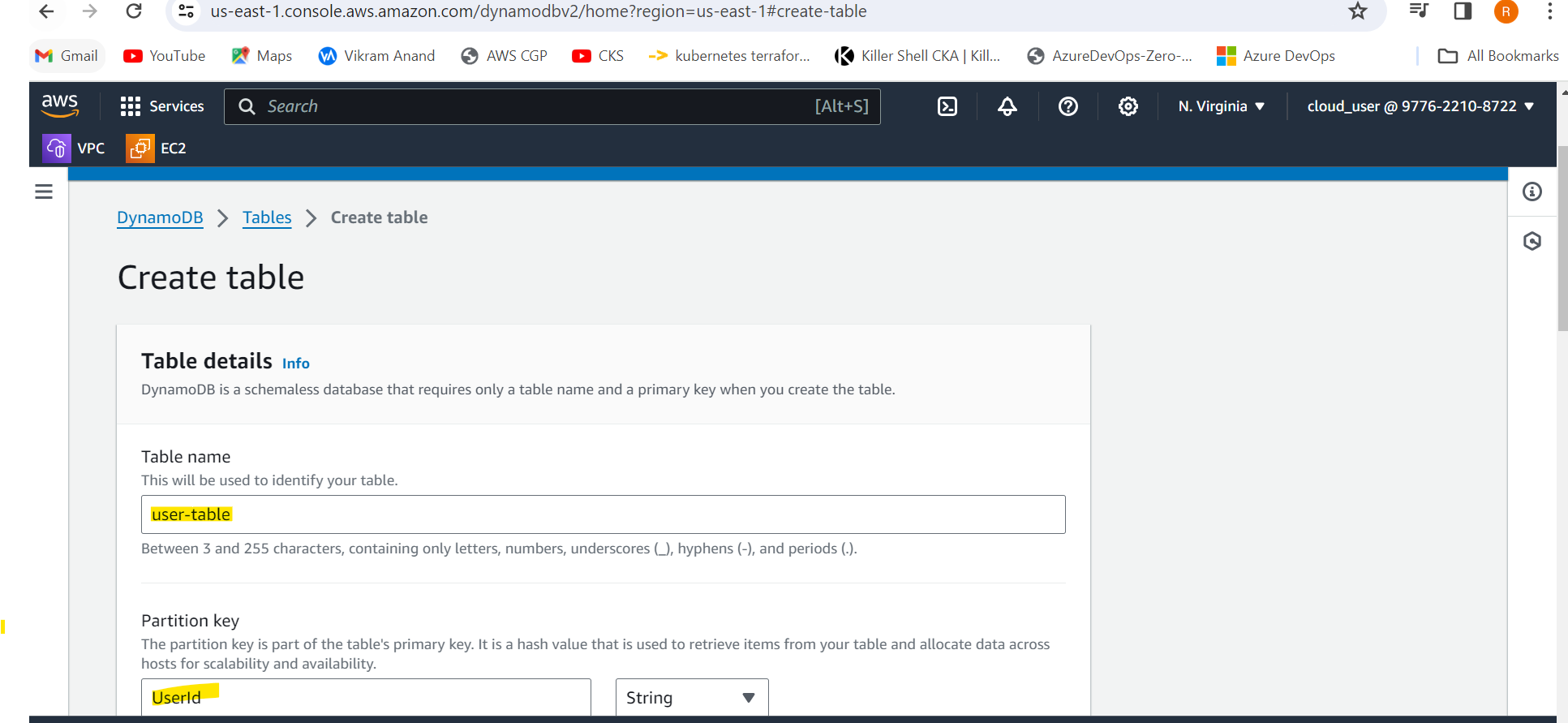
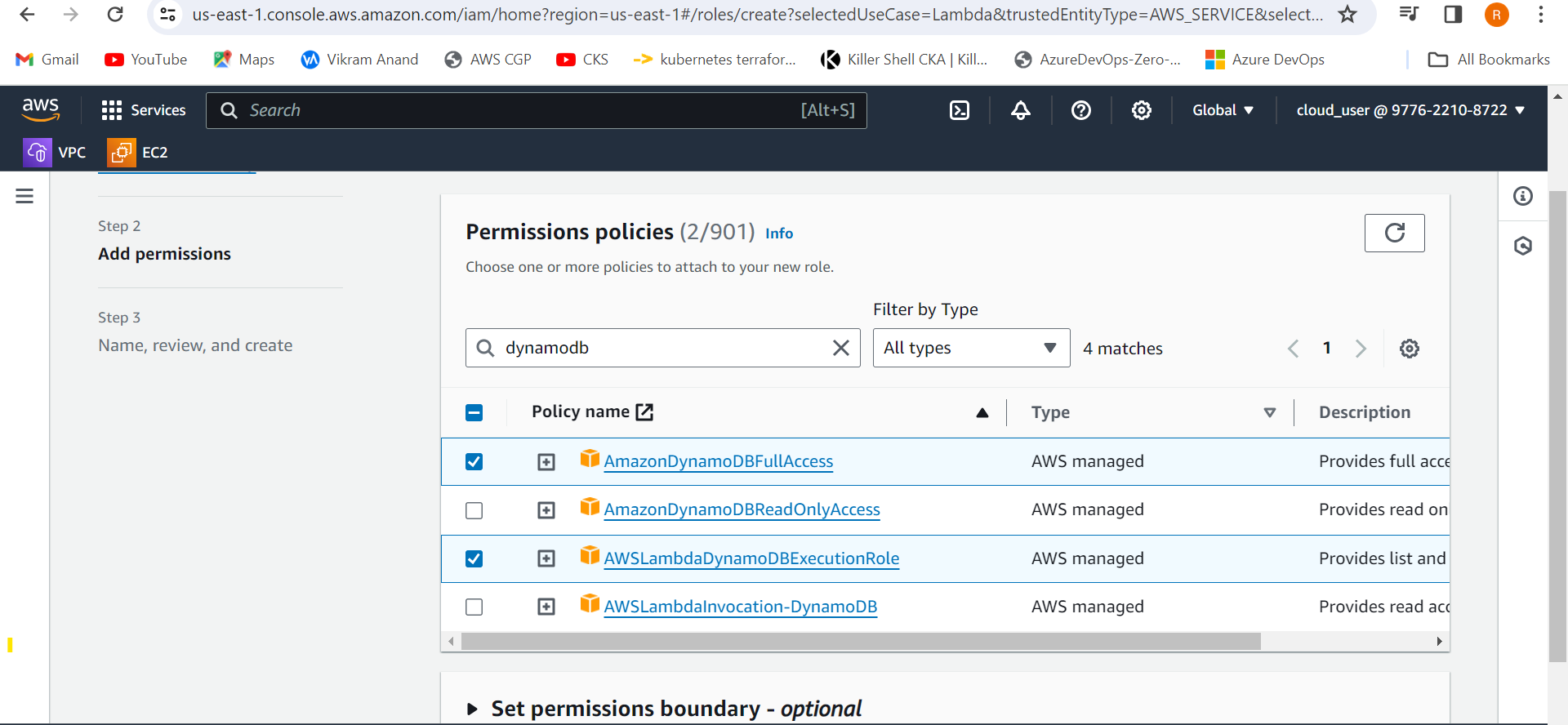
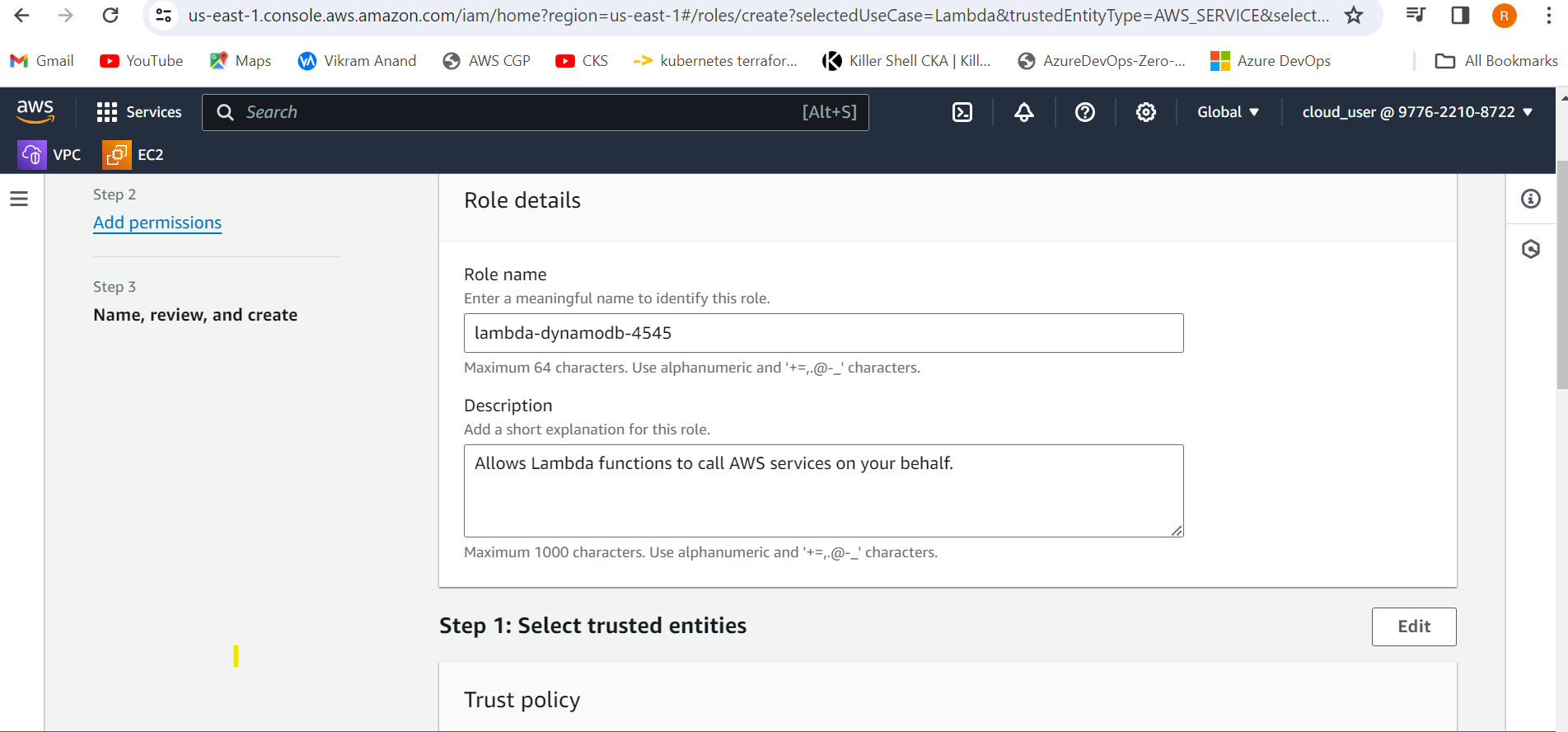
<https://www.youtube.com/watch?v=XrOc3PKYK8U>

**Dynamodb table creation :**

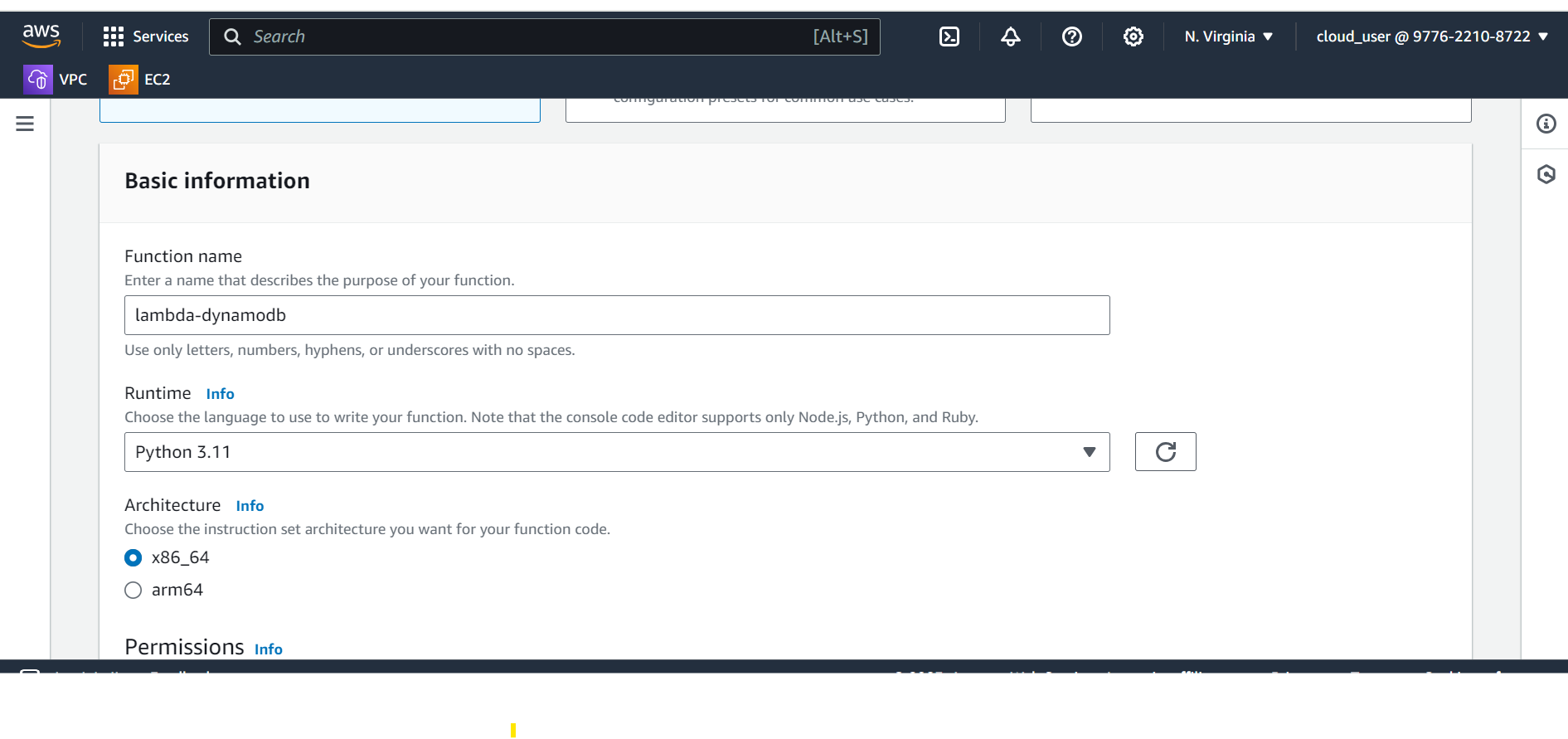


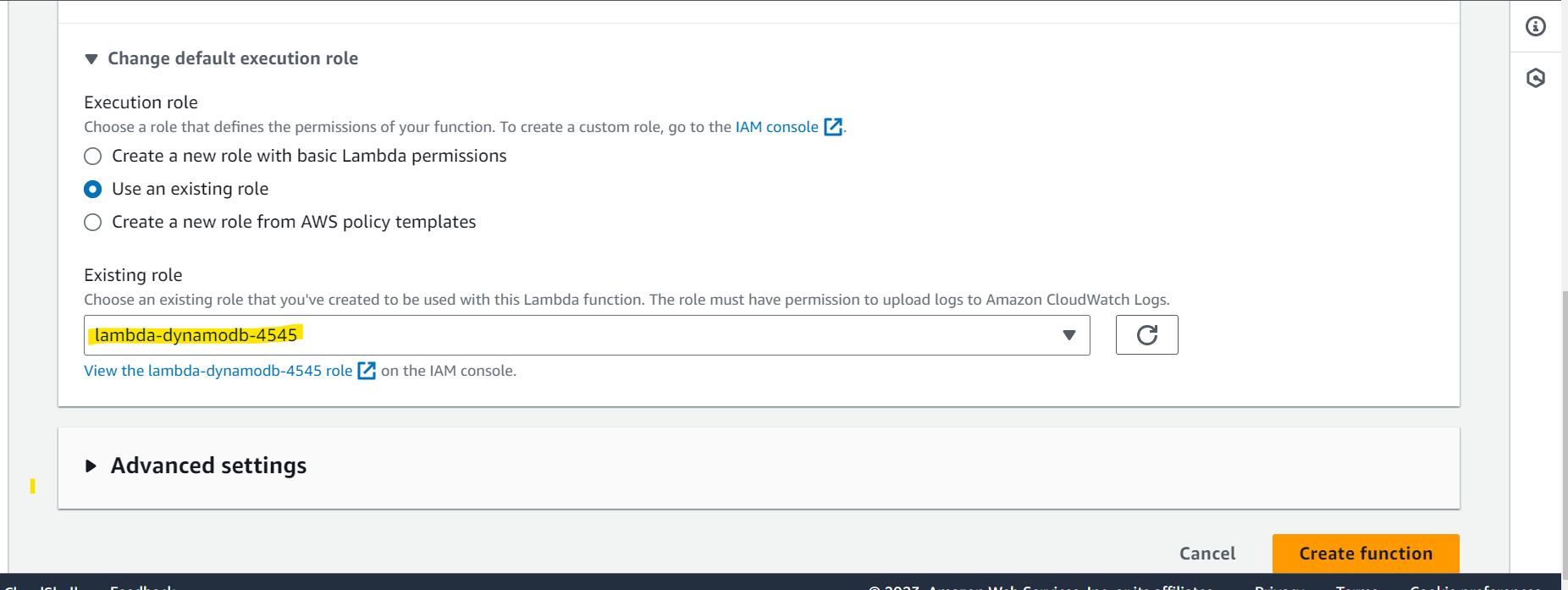
**Role creation for lambda-dynamodb integration**

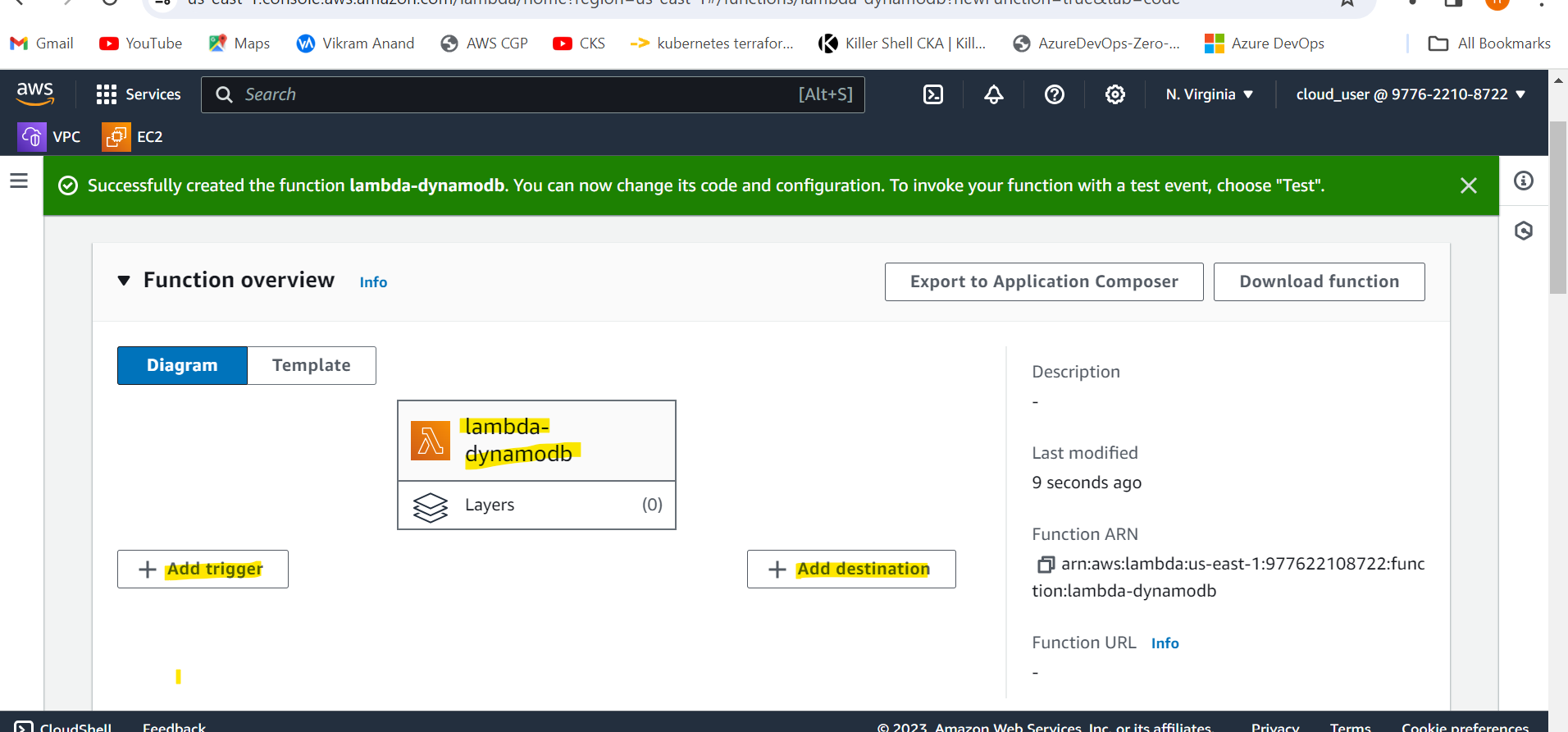
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**Create a lambda function and attached the role**







We use this python code - <https://github.com/gaurav157243/aws-projects/blob/main/serverless/lambda.py> in lambda

import boto3

import os

import json

def lambda\_handler(event, context):

dynamodb = boto3.resource('dynamodb')

#table\_name = os.environ.get('TABLE')

table = dynamodb.Table('user-table')

# Parse the data sent in the request payload

try:

request\_data = json.loads(event['body'])

print(request\_data)

user\_id = request\_data['UserId']

user\_name = request\_data['UserName']

email = request\_data['Email']

except KeyError:

return {

'statusCode': 400,

'body': json.dumps('Invalid input data')

}

# Insert data into DynamoDB

data\_to\_insert = {

'UserId': user\_id,

'UserName': user\_name,

'Email': email

}

table.put\_item(Item=data\_to\_insert)

return {

'statusCode': 200,

"headers": {

"Access-Control-Allow-Origin": "\*", # Change this to the allowed origin(s) or '\*' for any origin

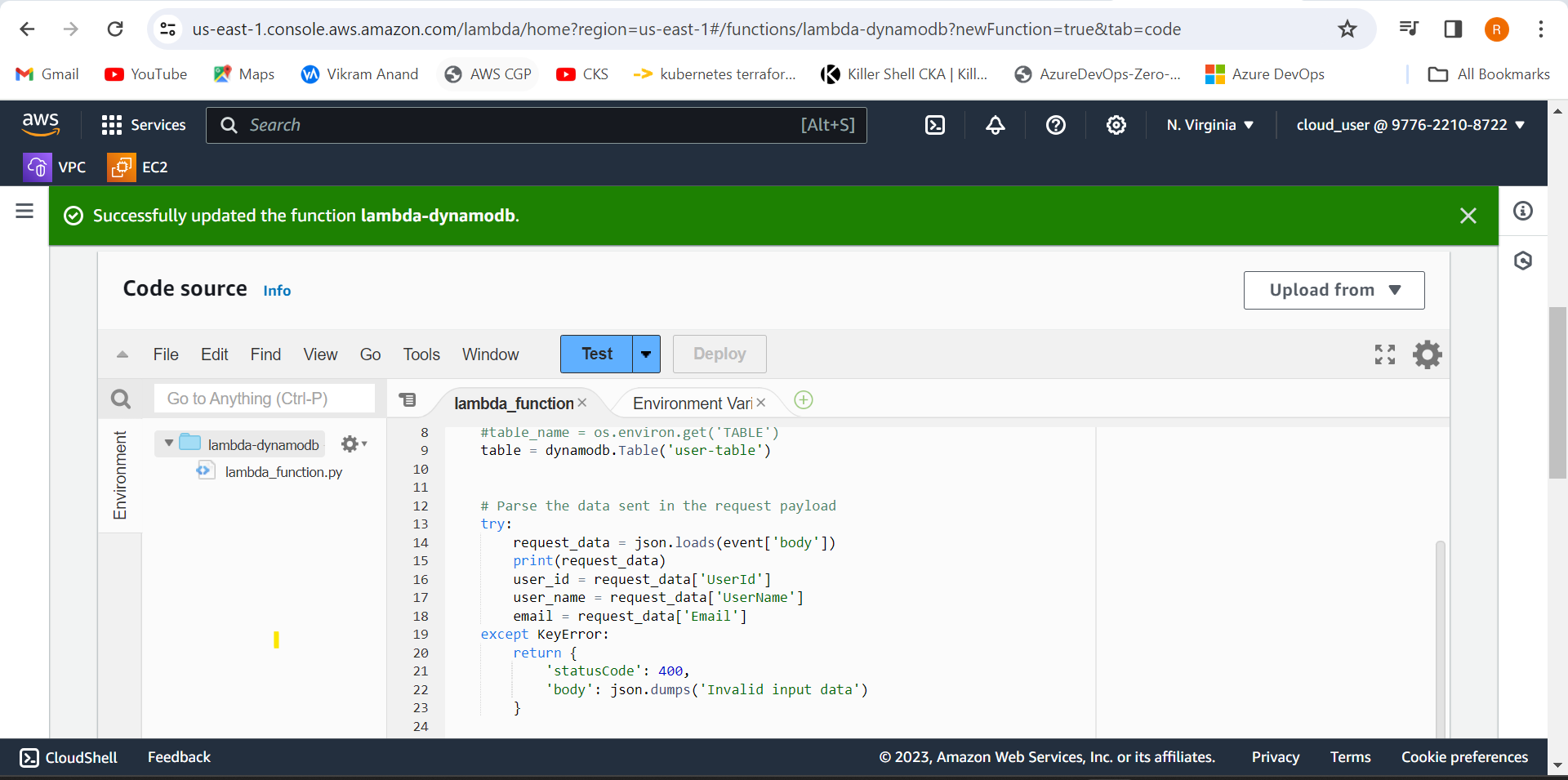
"Access-Control-Allow-Methods": "POST, GET, OPTIONS", # Add other allowed methods as needed

"Access-Control-Allow-Headers": "Content-Type, Authorization" # Add other allowed headers as needed

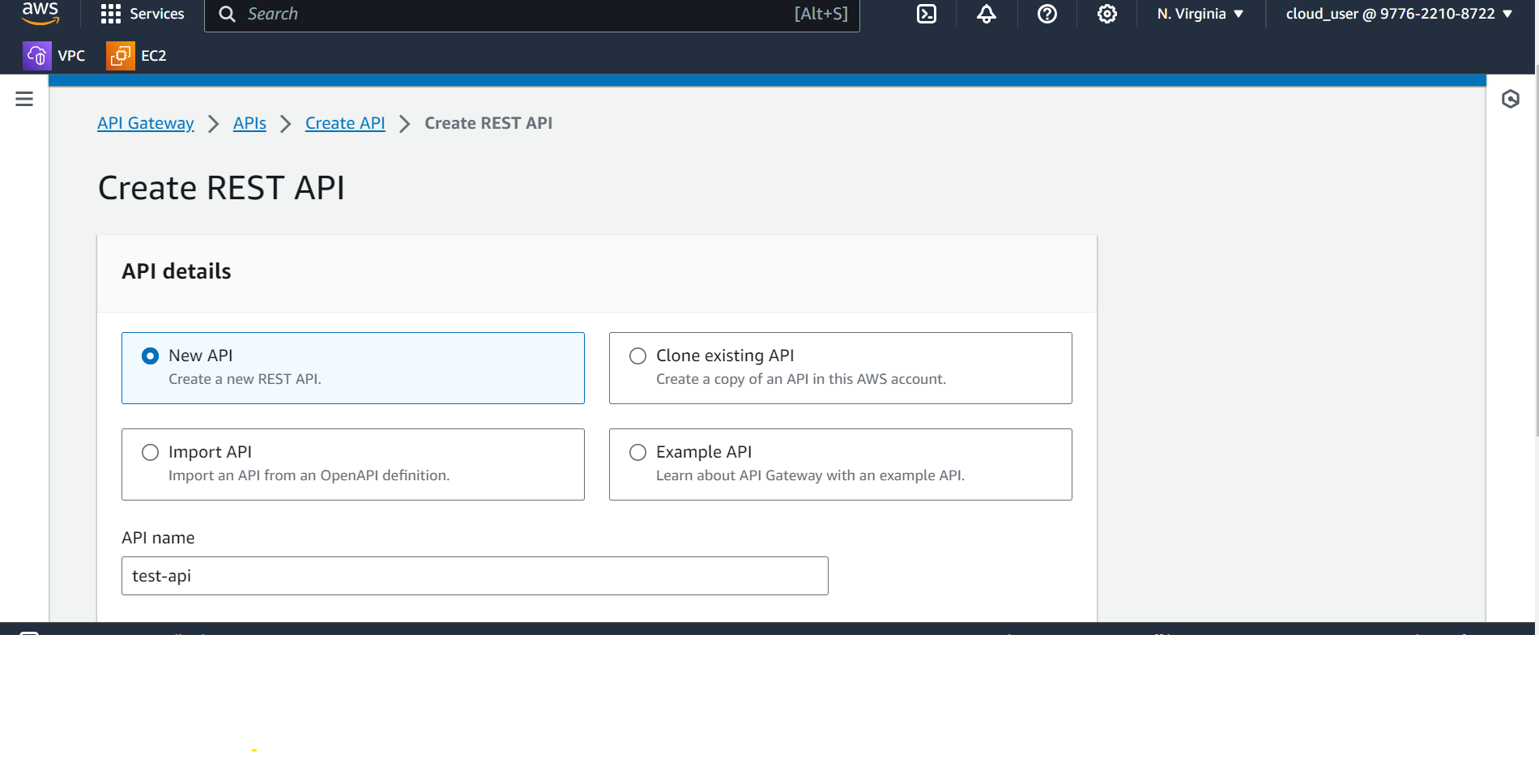
},

'body': json.dumps('DynamoDB operations executed successfully!')

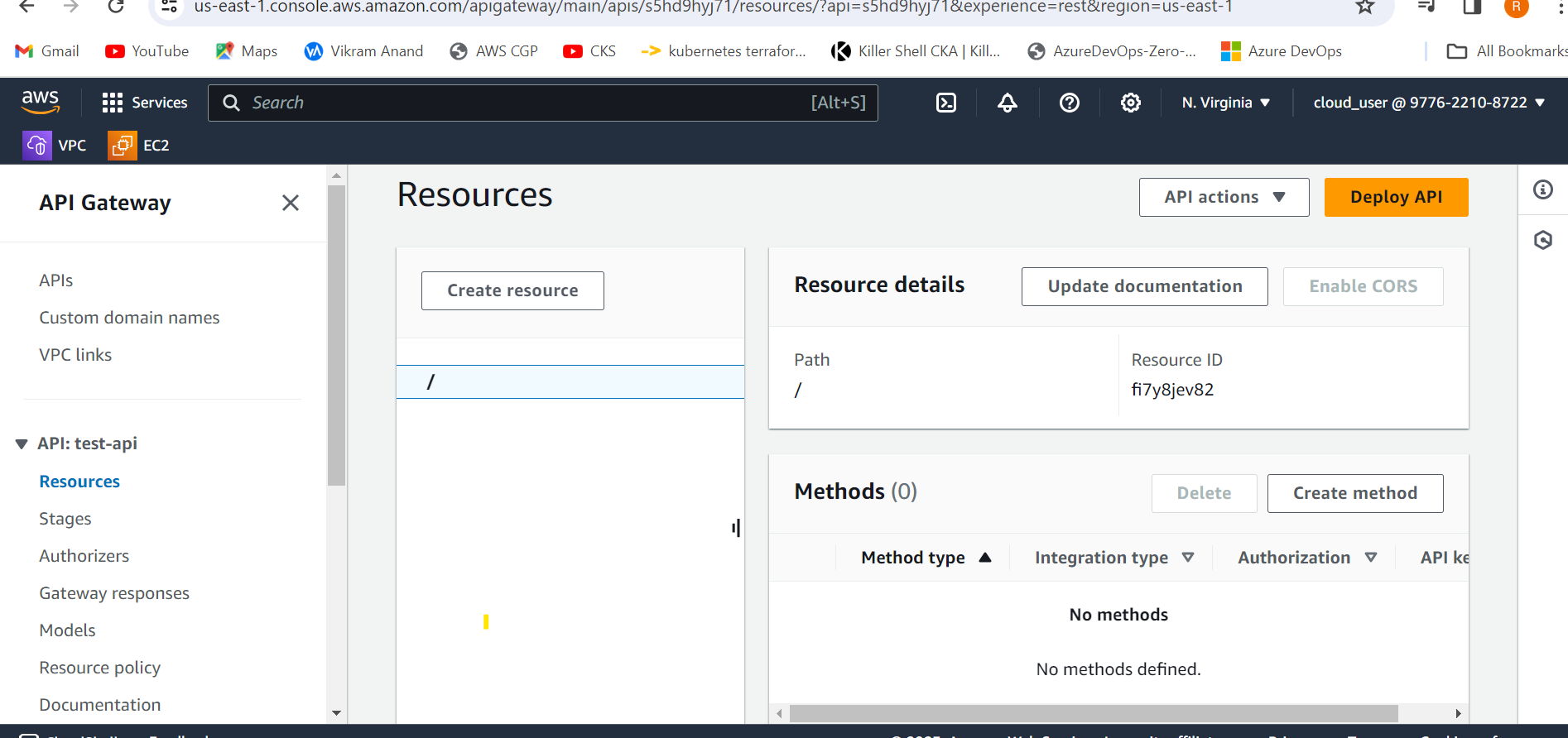
}

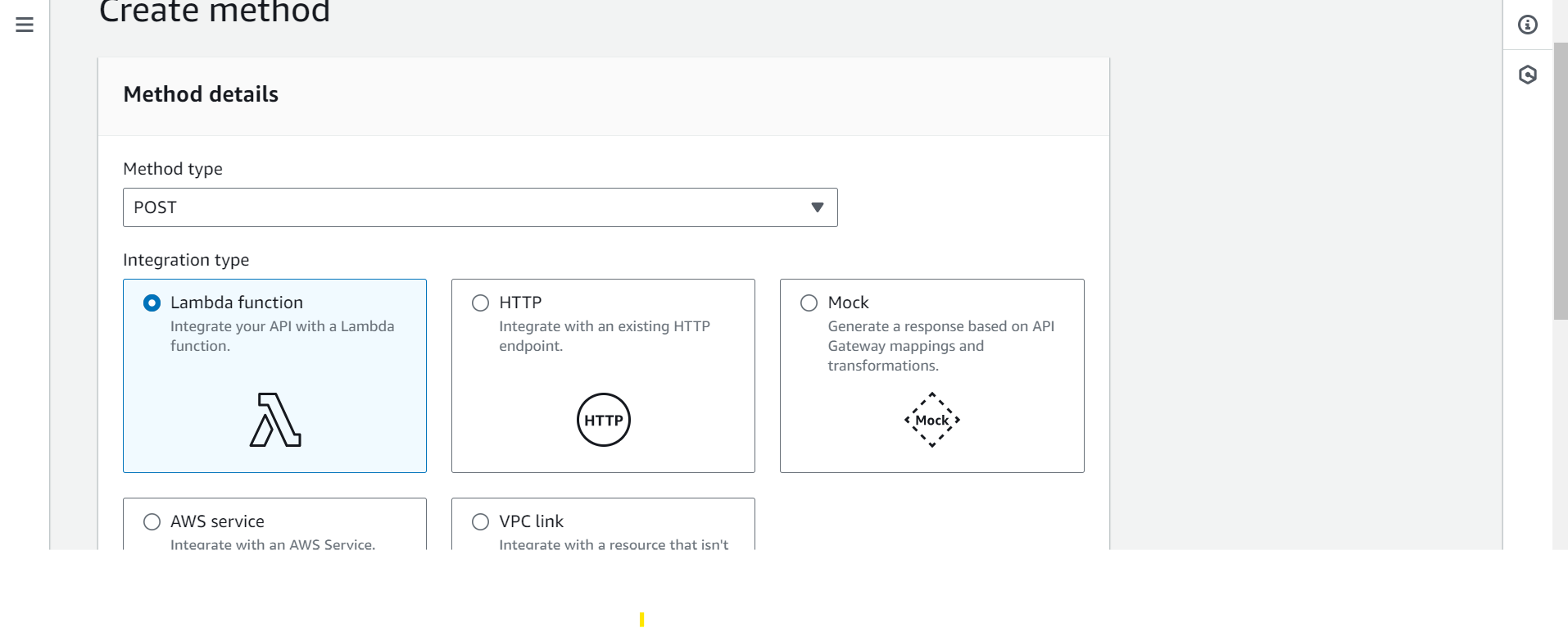


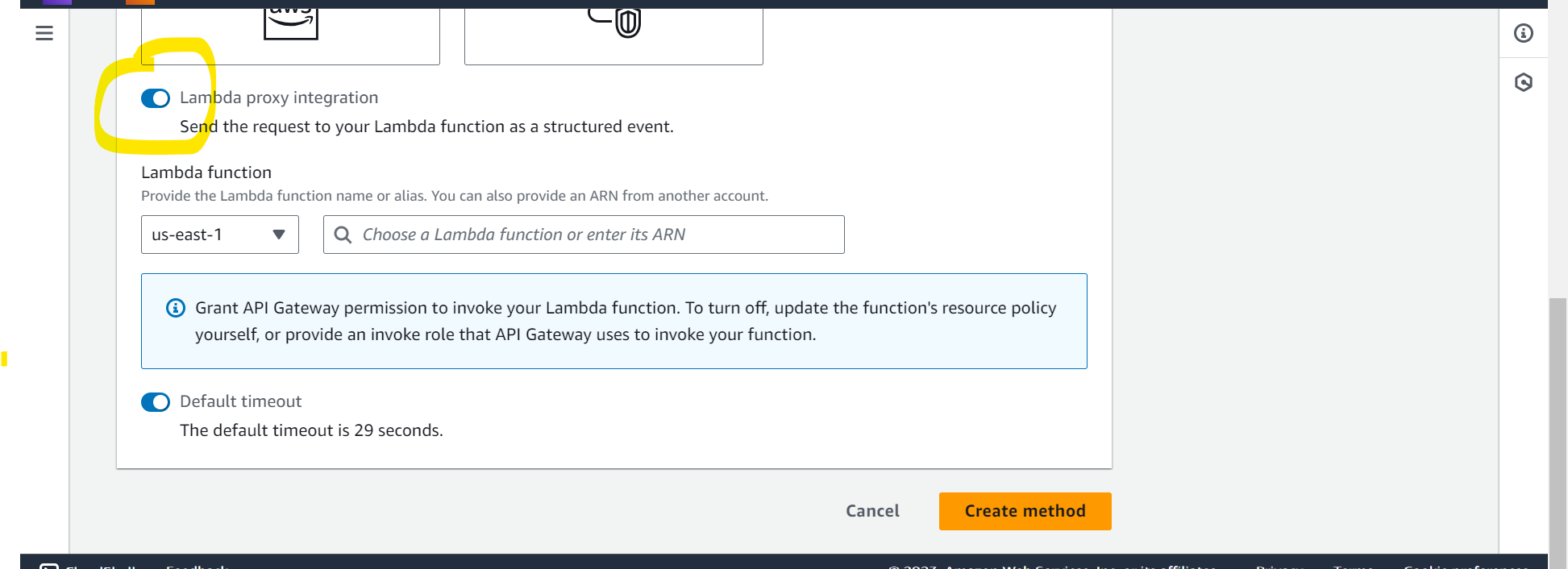
**Create a API gateway**

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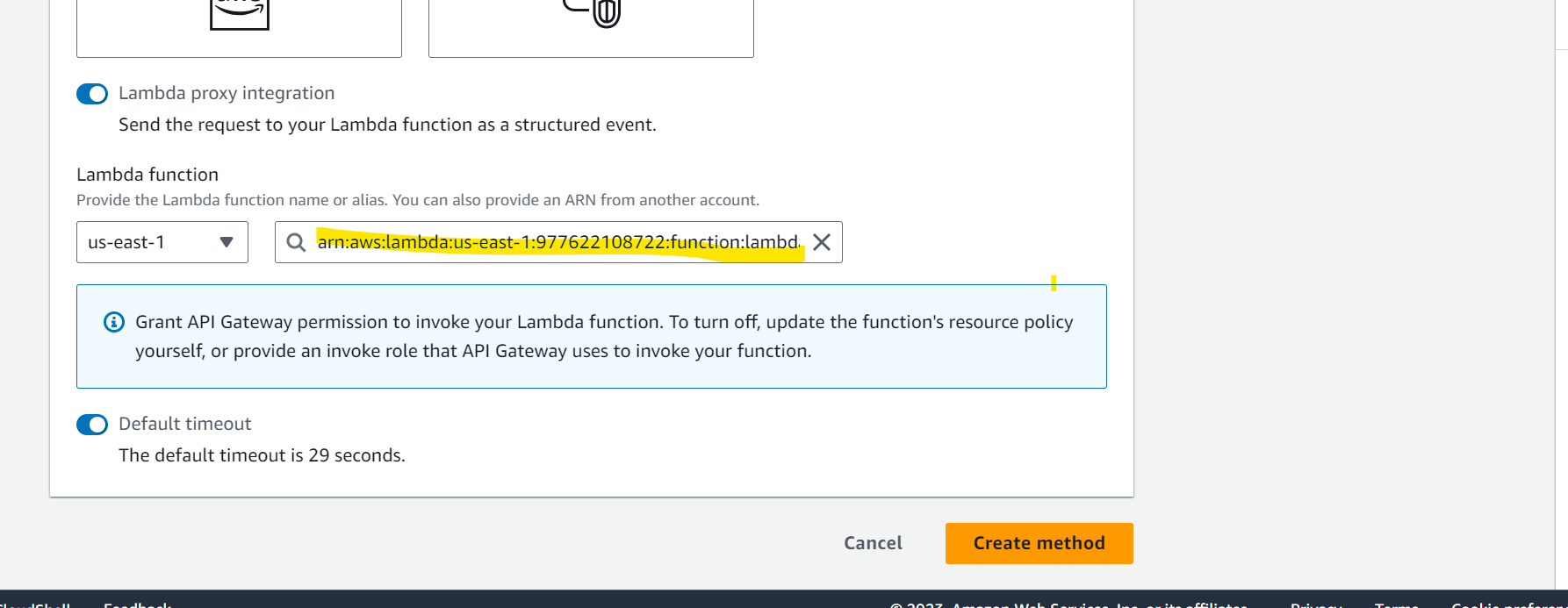
**Now we have to select the METHOD we want to use**

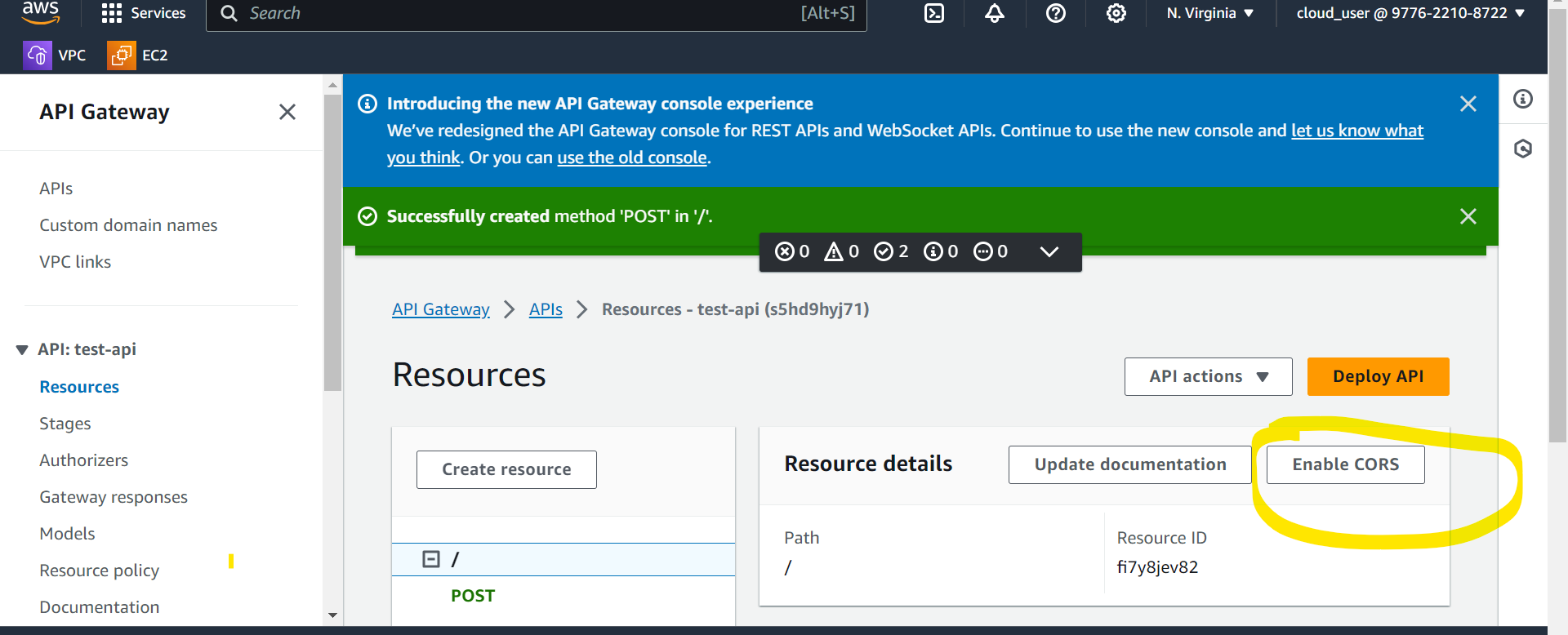
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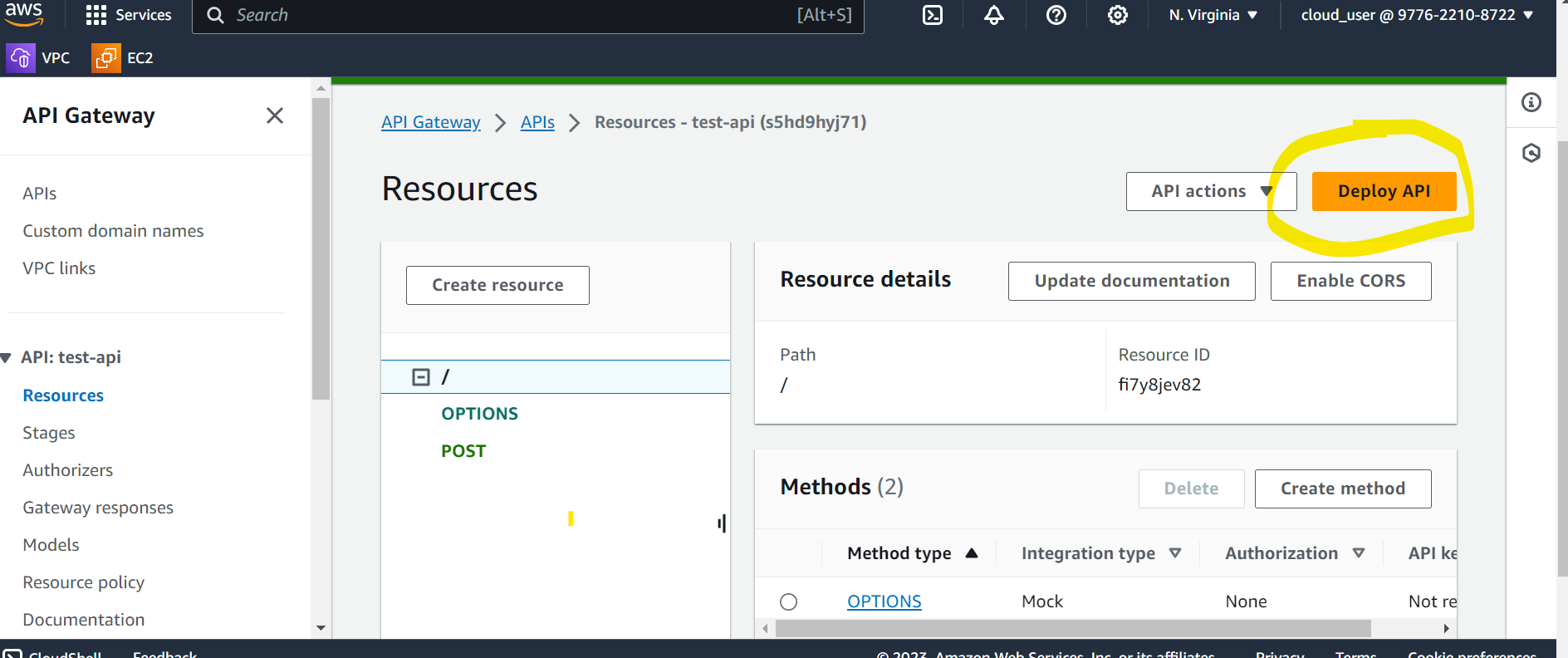
****

**Also specify the lambda we will be using for the METHOD we choose**

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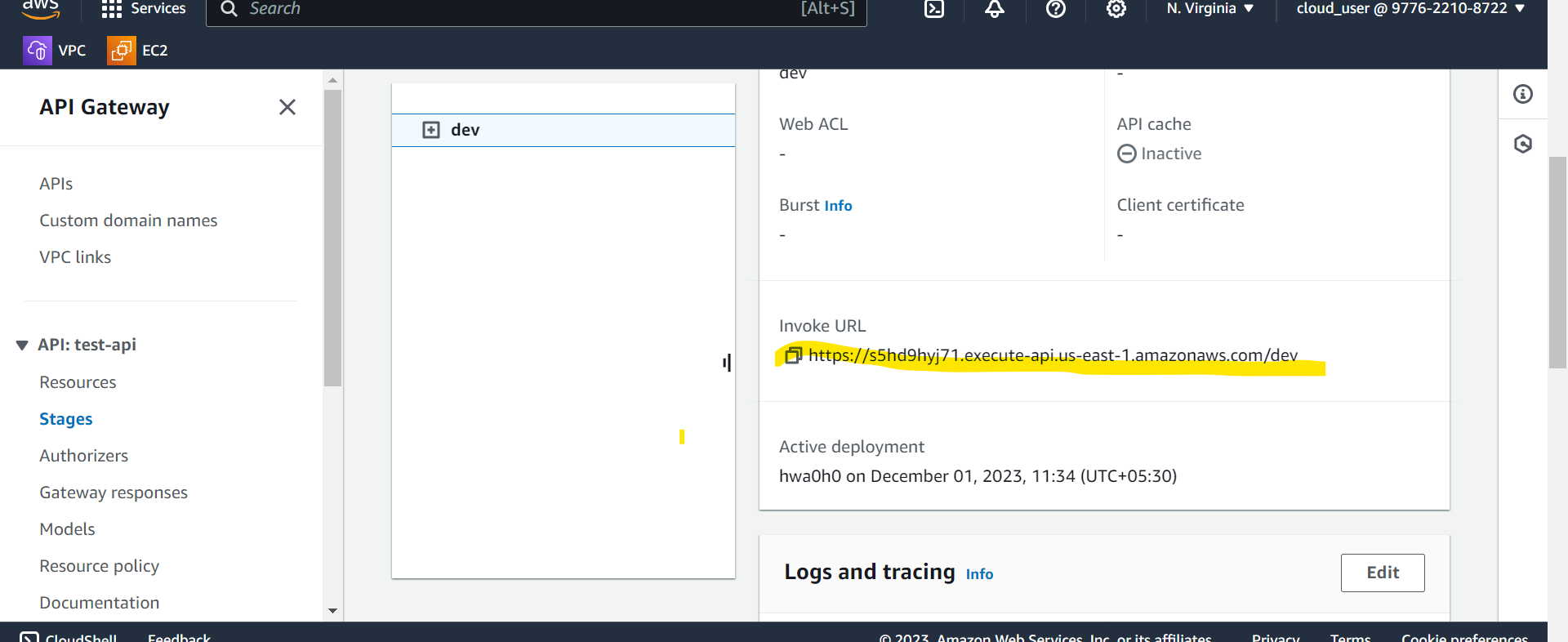
****

**We then deploy the API**

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This will give the invoke URL . when this URL gets invoke it will trigger the lambda function.

**https://s5hd9hyj71.execute-api.us-east-1.amazonaws.com/dev**

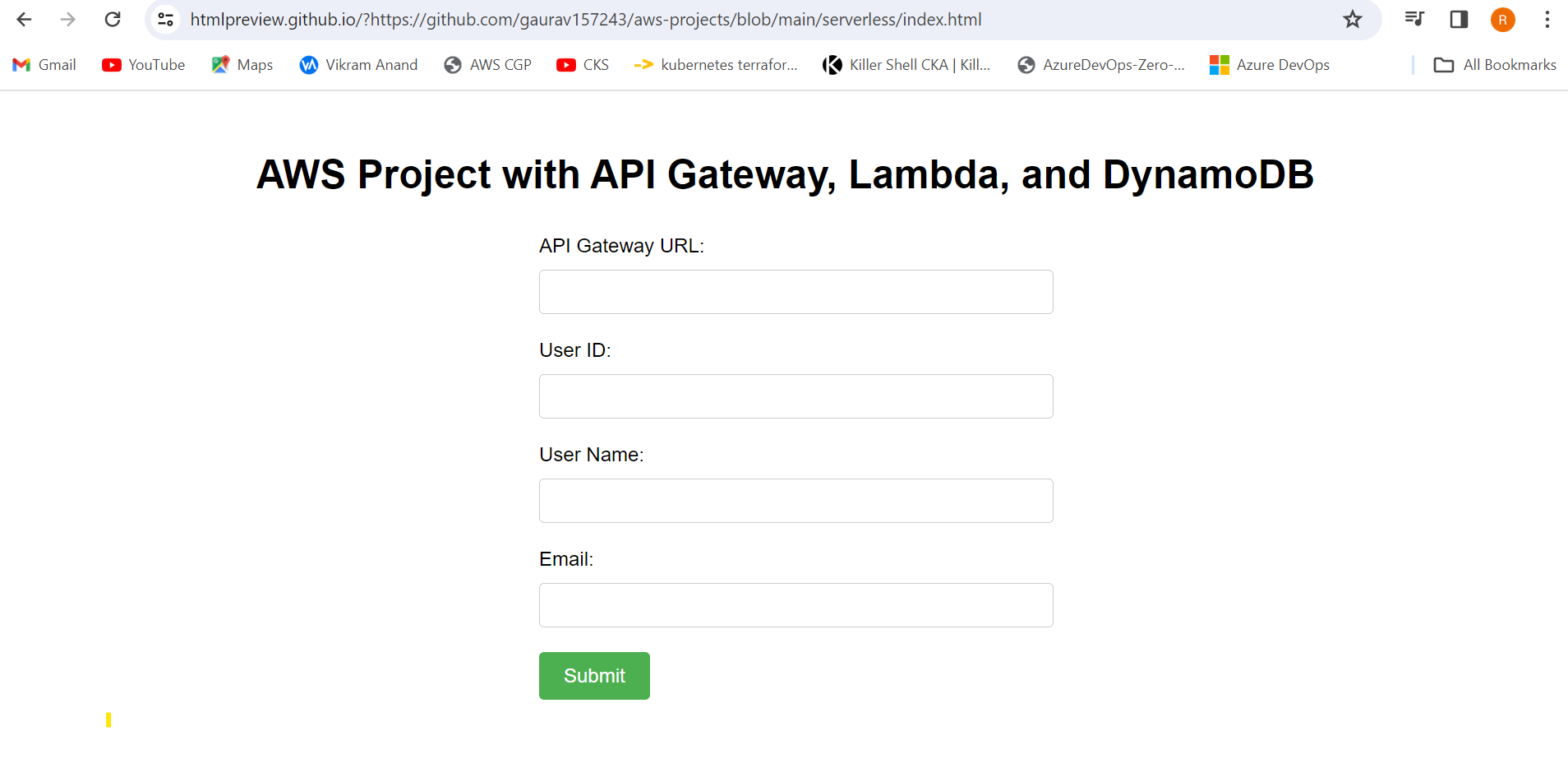
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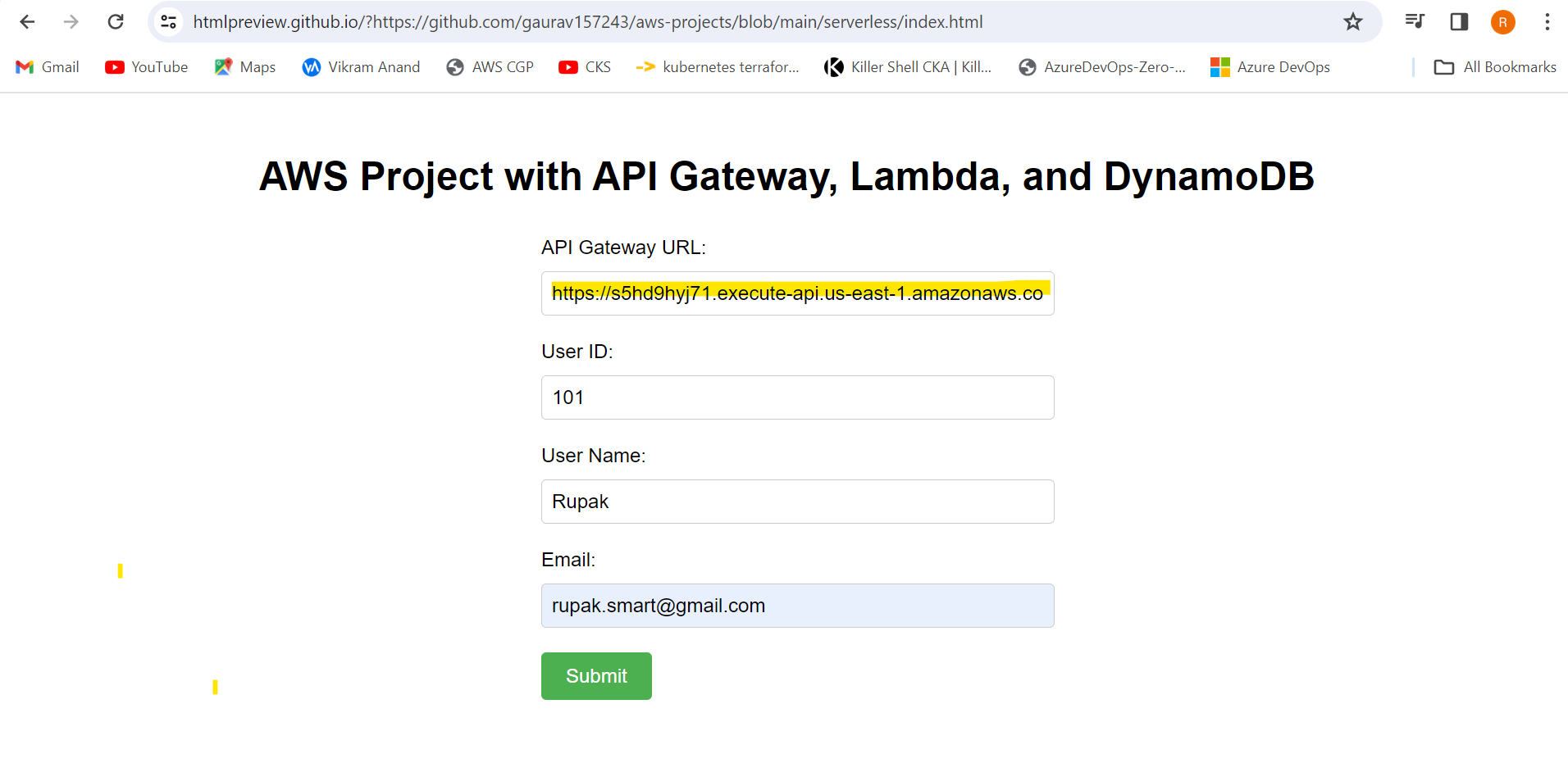
**Now we have to use some third party tool to invoke the Invoke URL.**

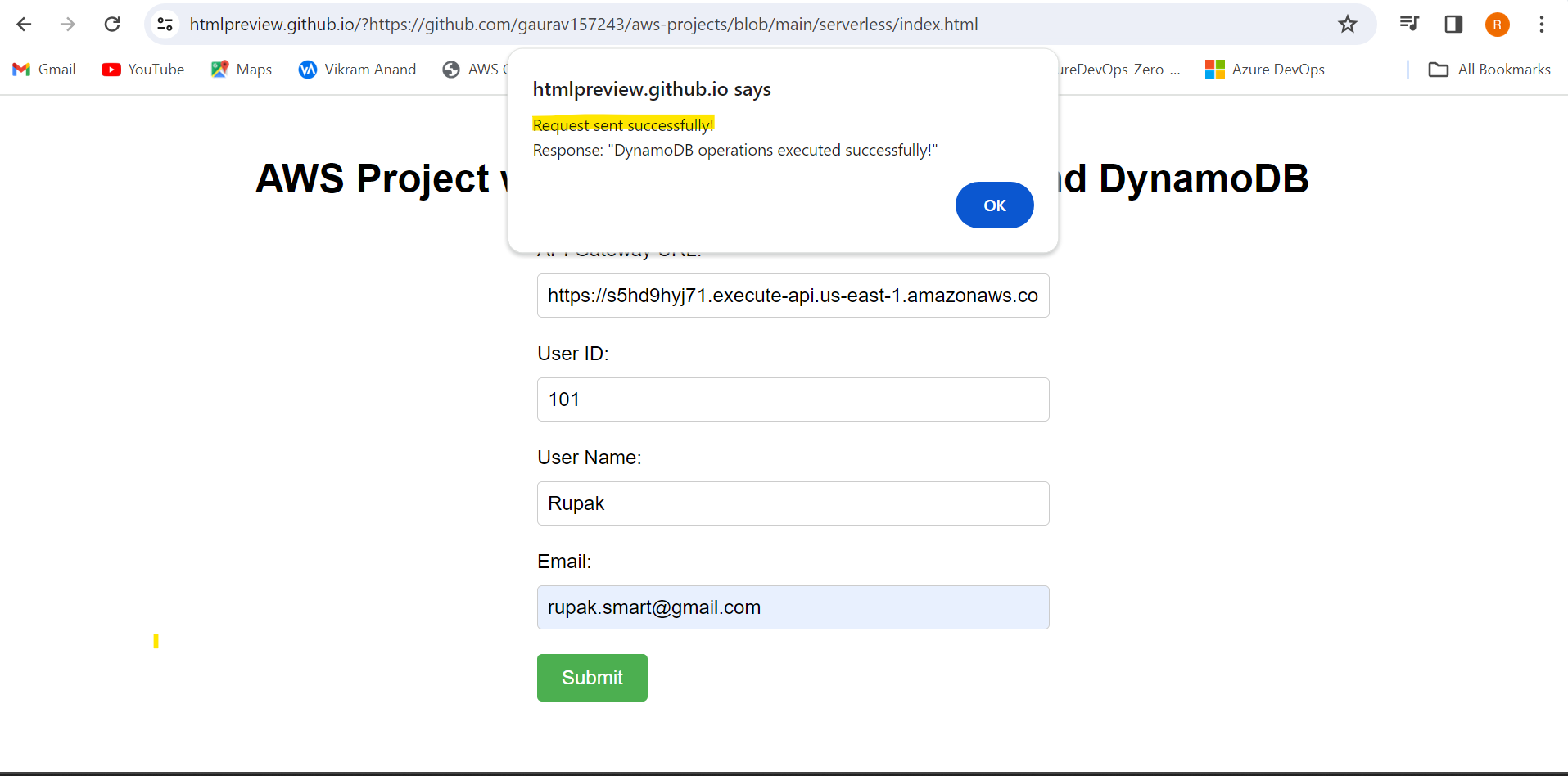
Below is the URL we can use.

Hit this in the browser

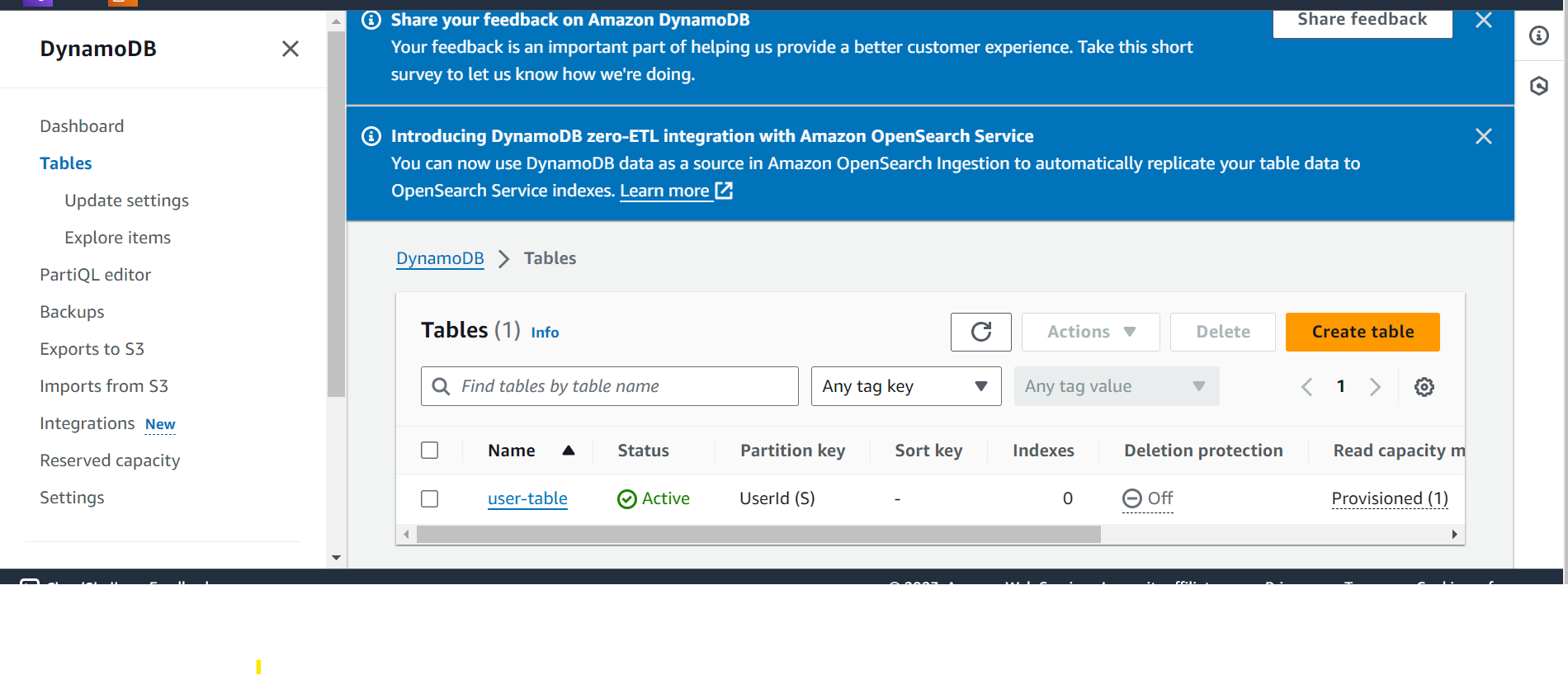
htmlpreview.github.io/?https://github.com/gaurav157243/aws-projects/blob/main/serverless/index.html

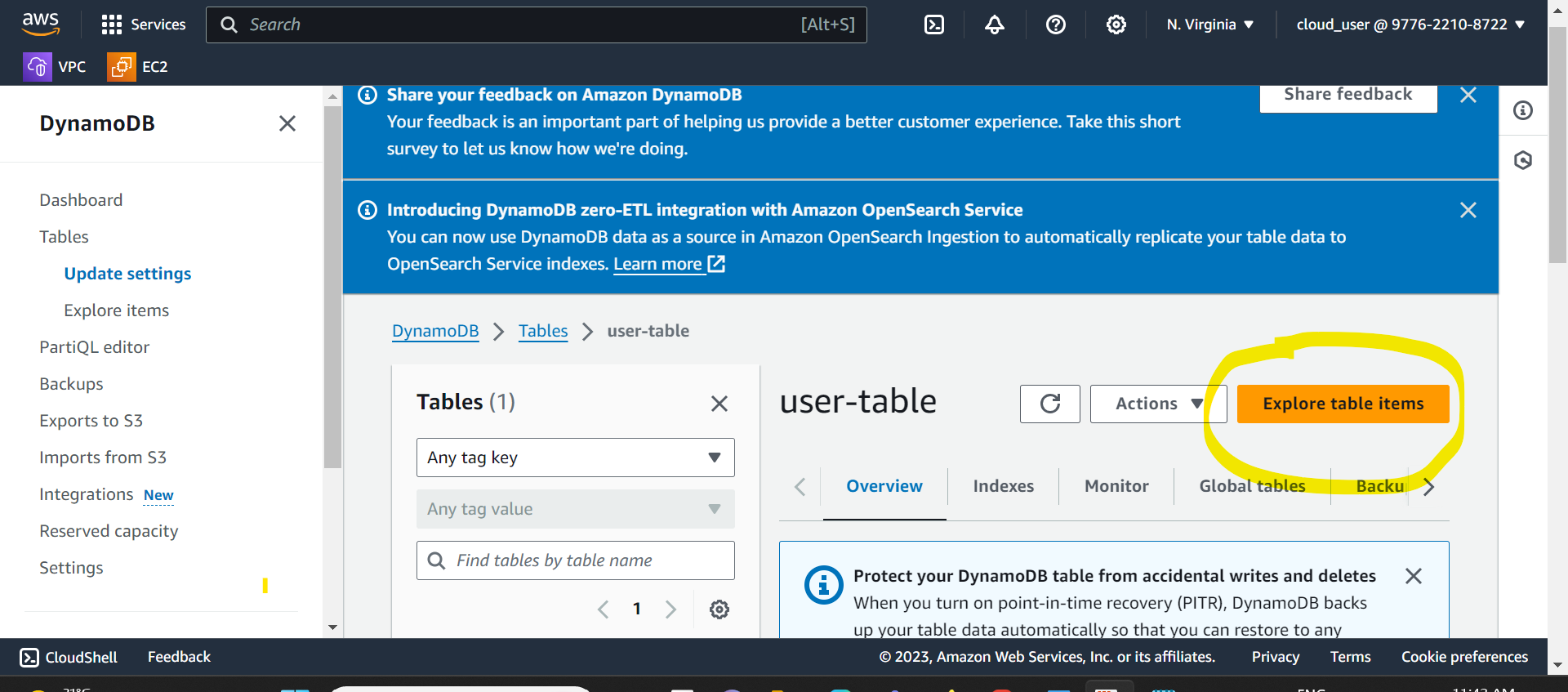
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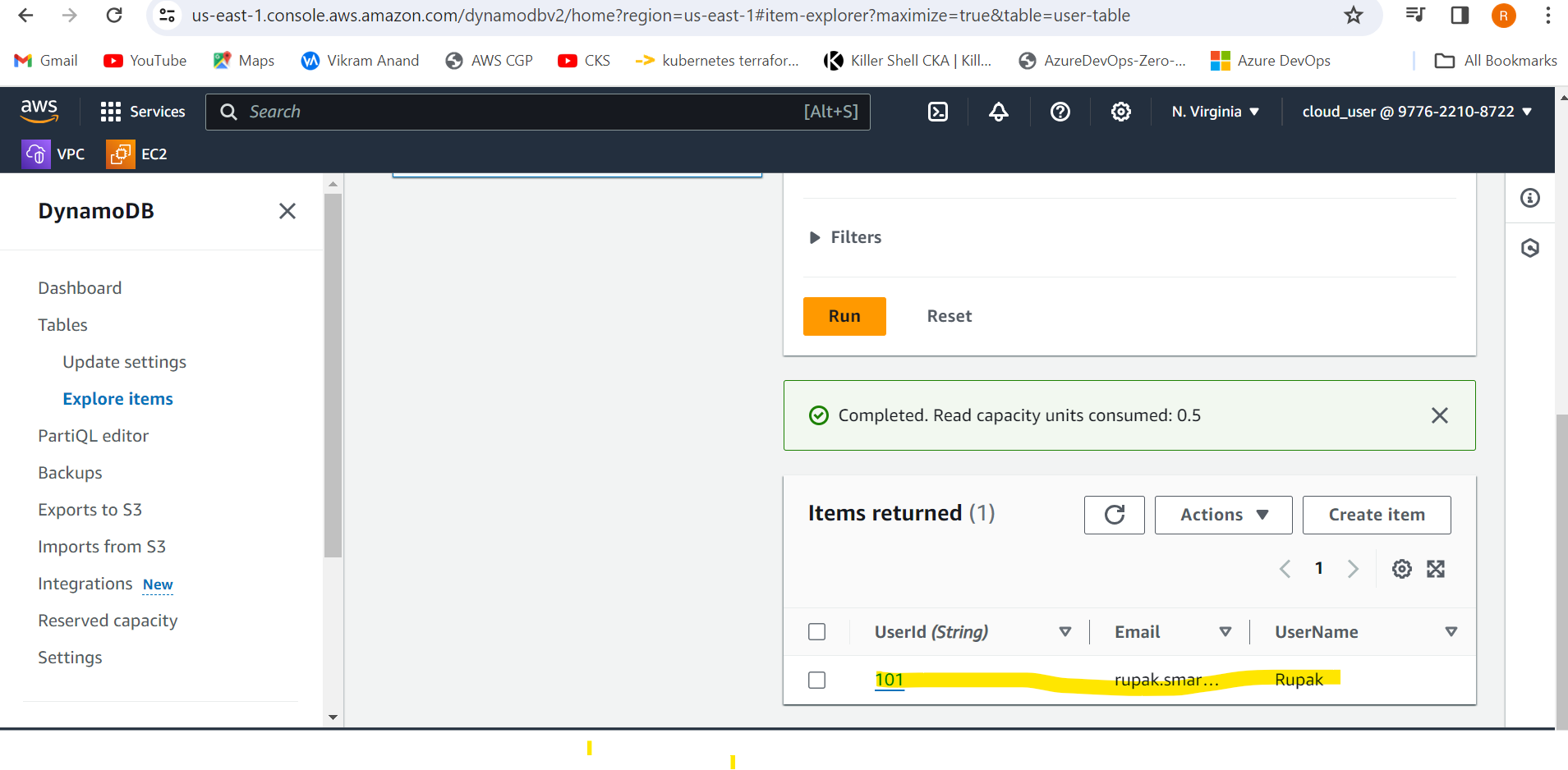
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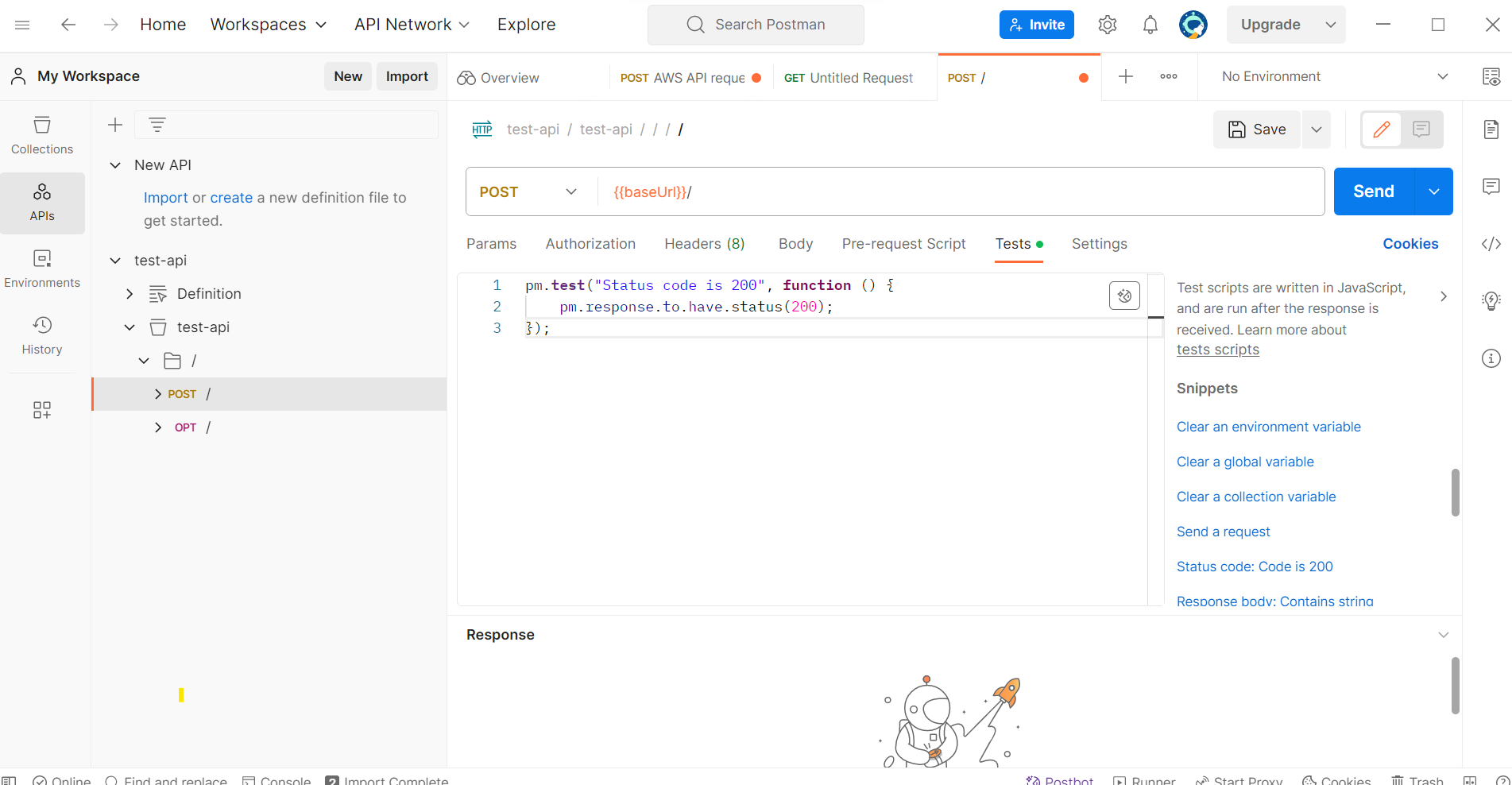
**This data will get stored in dynamodb table**

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**Using POSTMAN**

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