1. Now create a new lambda function

import boto3

dynamoDB = boto3.resource('dynamodb')

table = dynamoDB.Table('plasma')

def lambda\_handler(event,context):

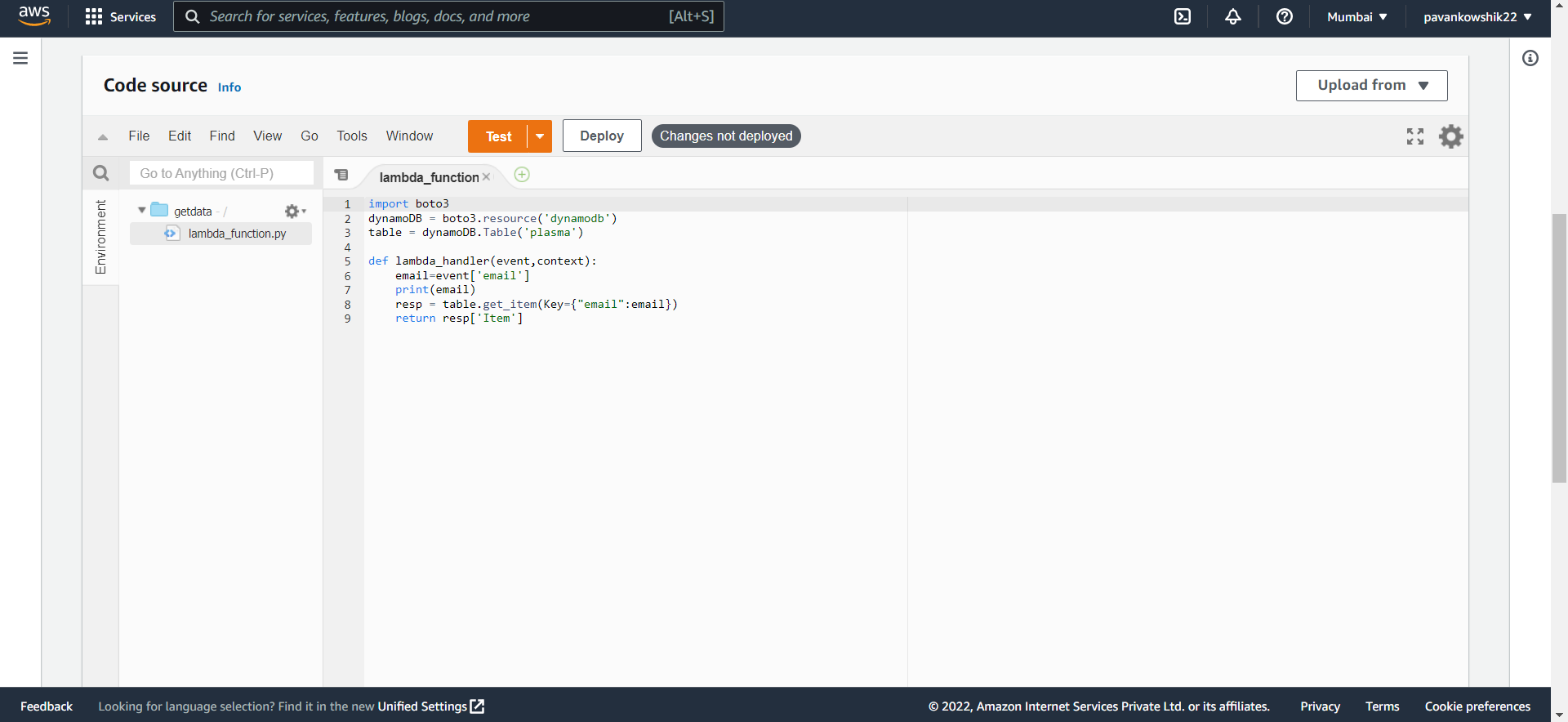
email=event['email']

print(email)

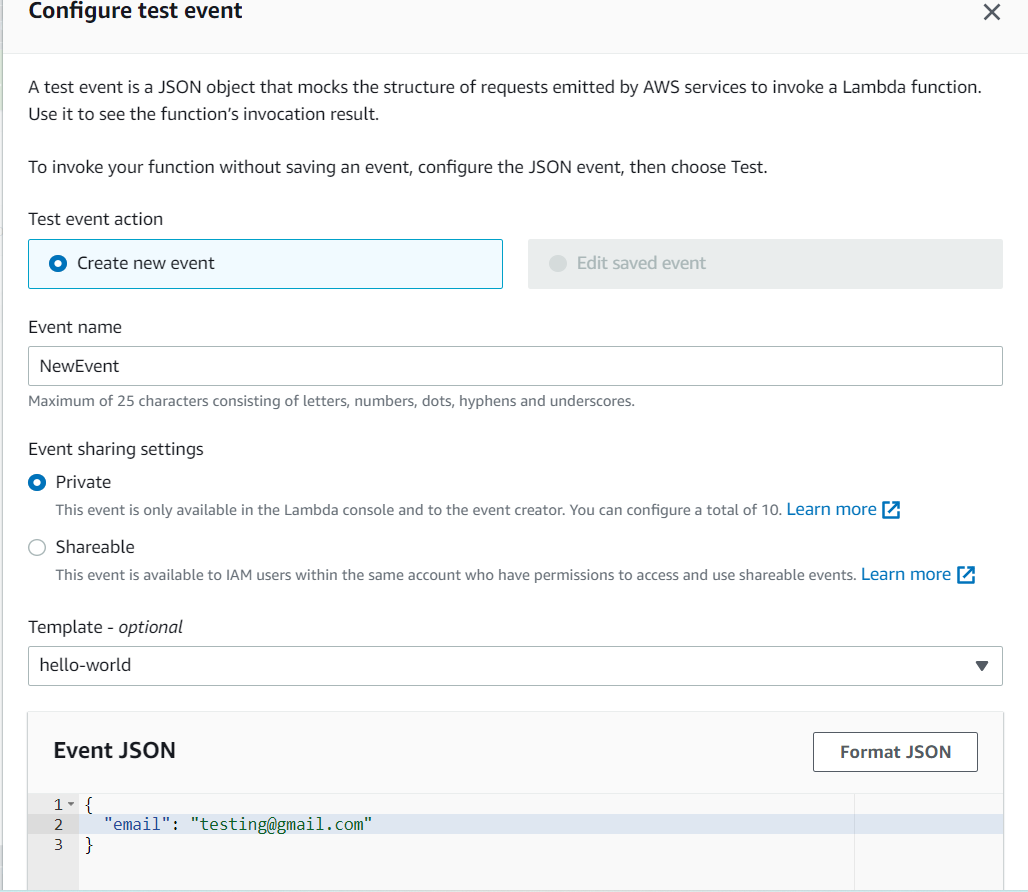
resp = table.get\_item(Key={"email":email})

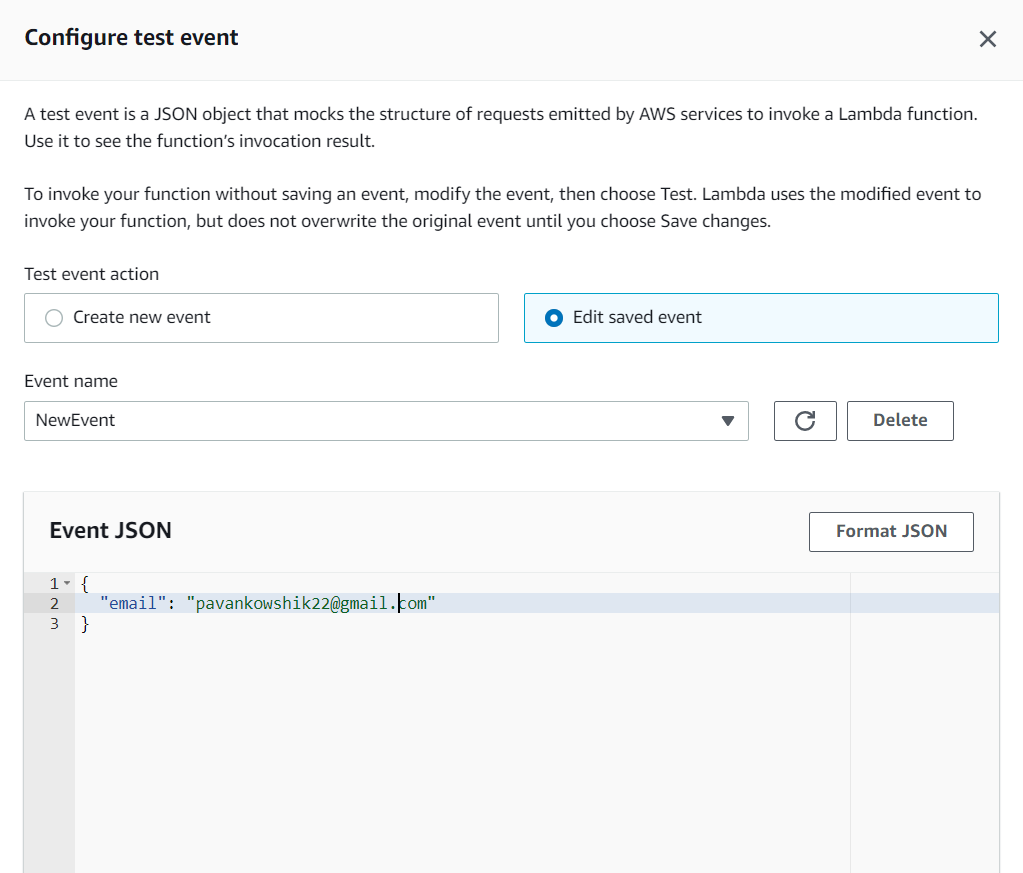
return resp['Item']





1. Now click on Configure and do the following changes





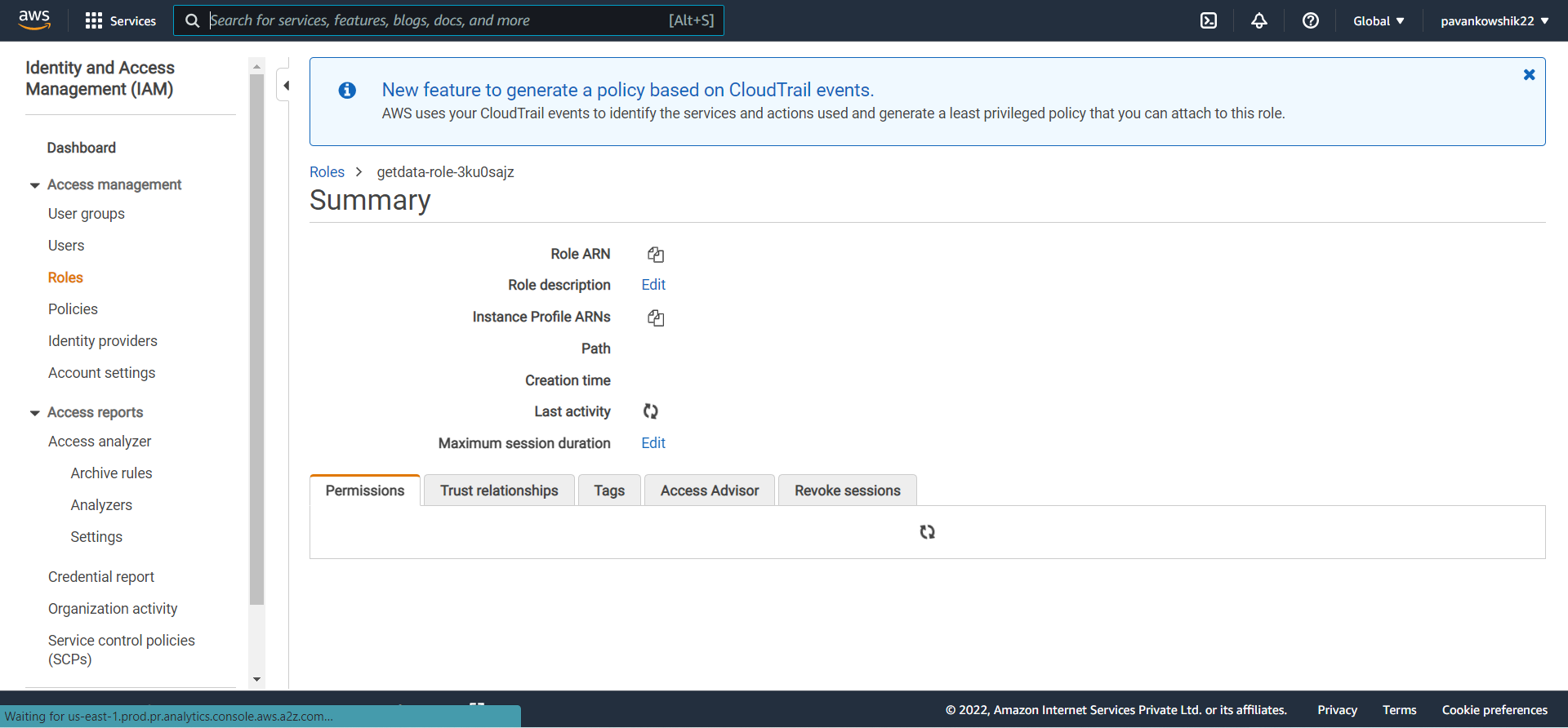
1. Now we need to give permission to connect to DynamoDb

**Execution role**

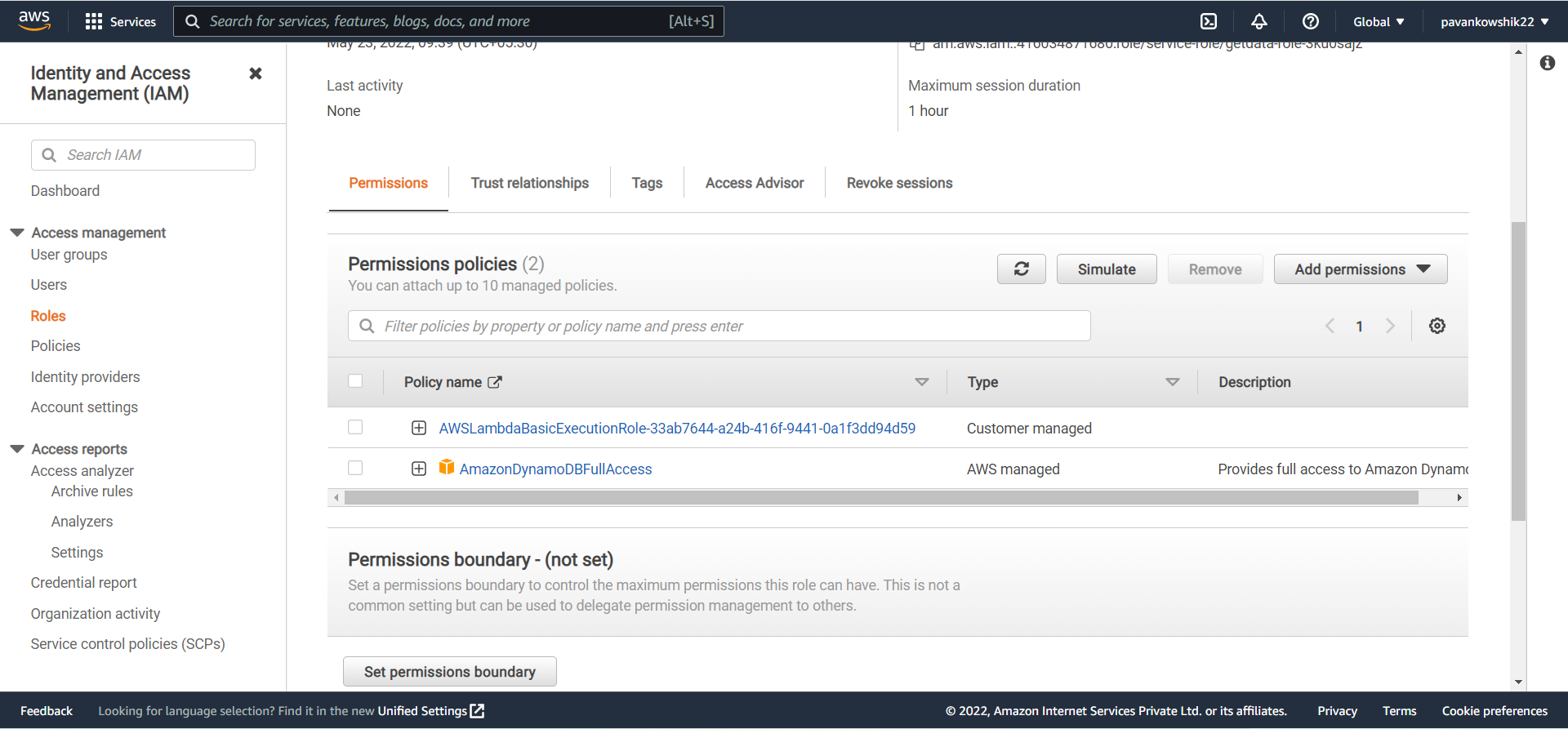
**Edit**

Role name

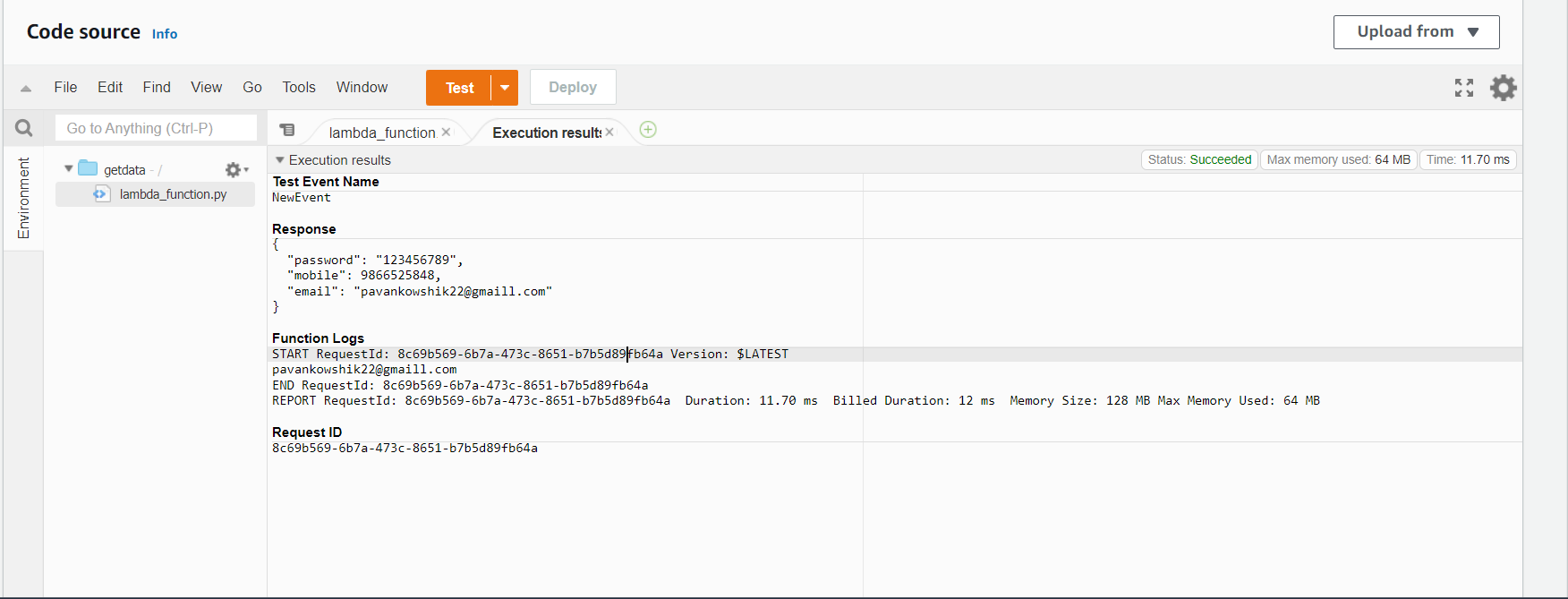
[getdata-role-3ku0sajz](https://ap-south-1.console.aws.amazon.com/iam/home#/roles/getdata-role-3ku0sajz?section=permissions)



1. Give access to DynamoDb full



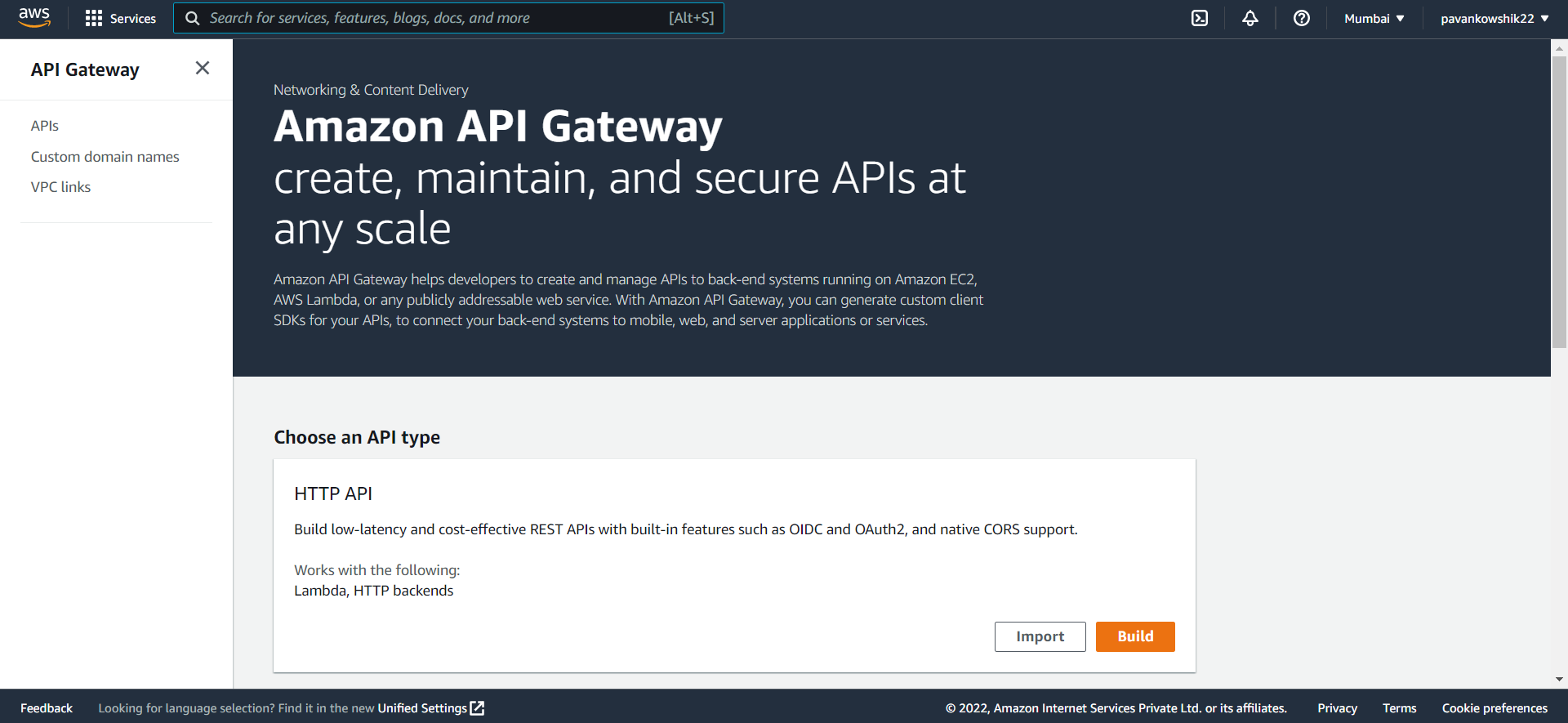
1. We get the details of the person when we type the email which is present in the table



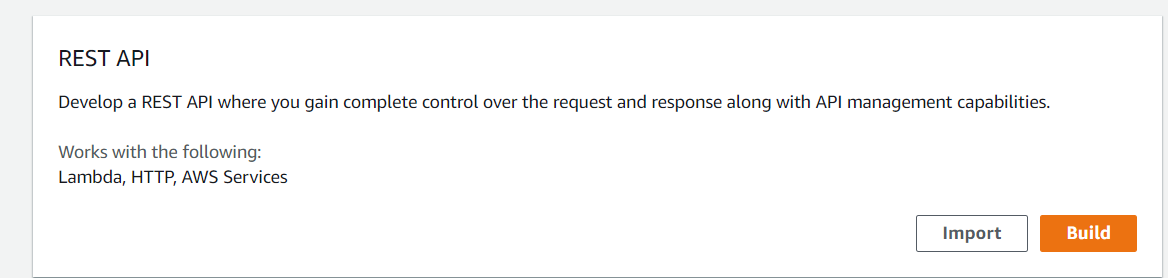
1. In the above process, we are fetching the details of the person from the data base and through primary key i.e . email.

Now we need to intergrate this service to a application

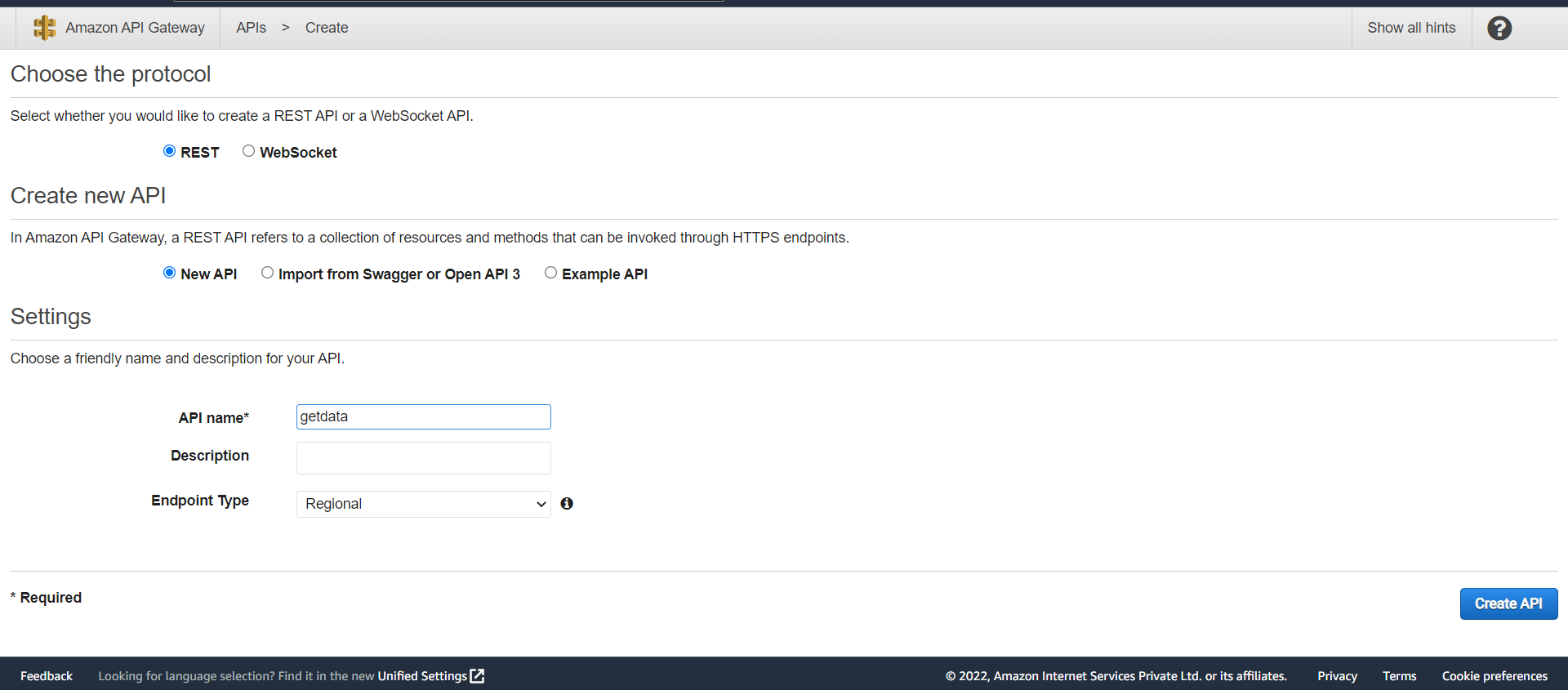
1. Open API GATEWAY



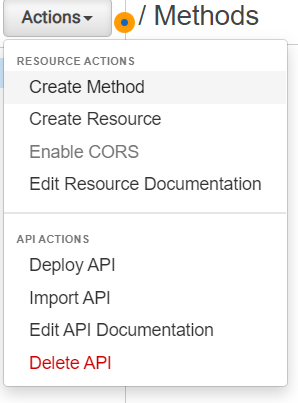
1. Click on rest API



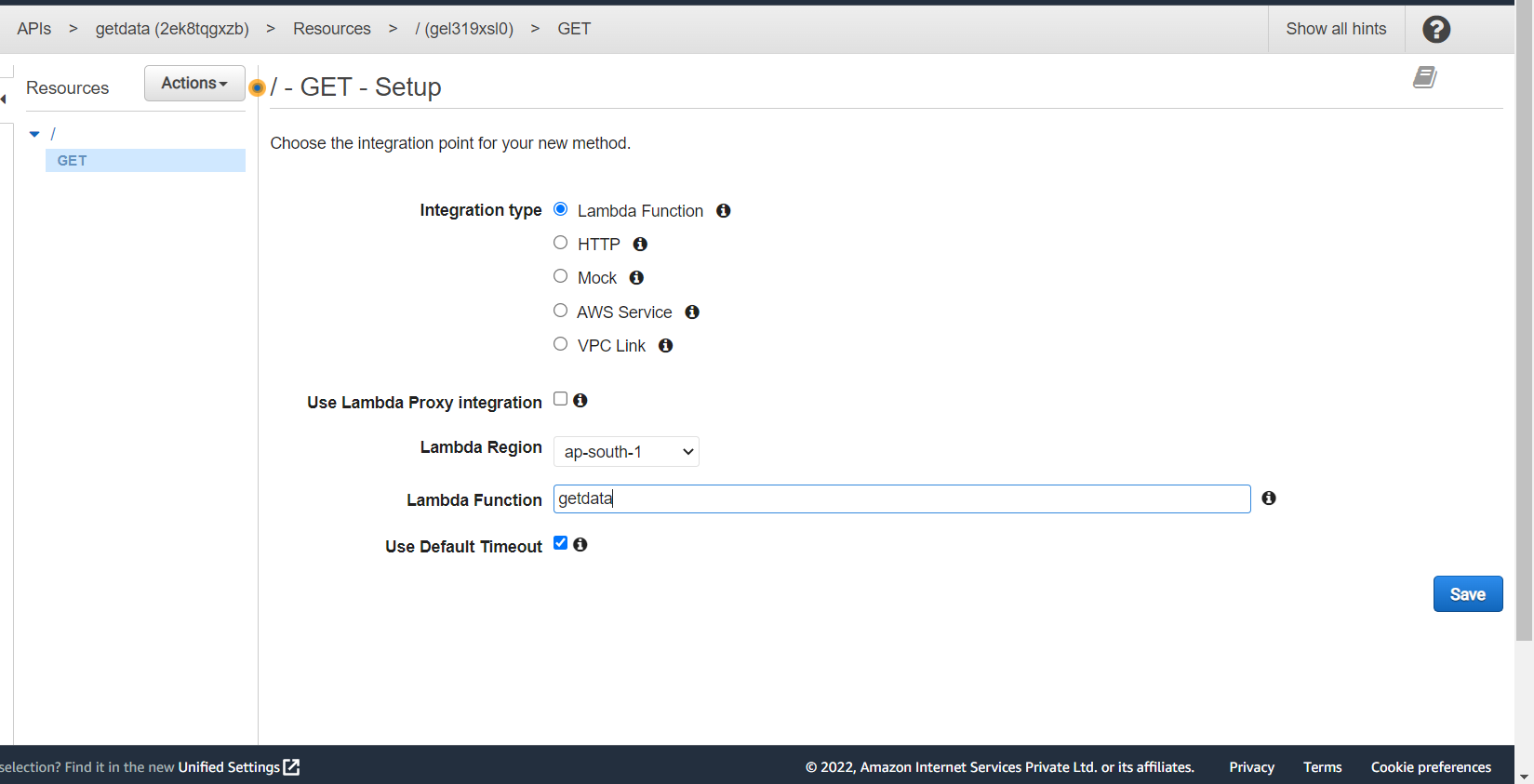
1. Complete the details and click on create



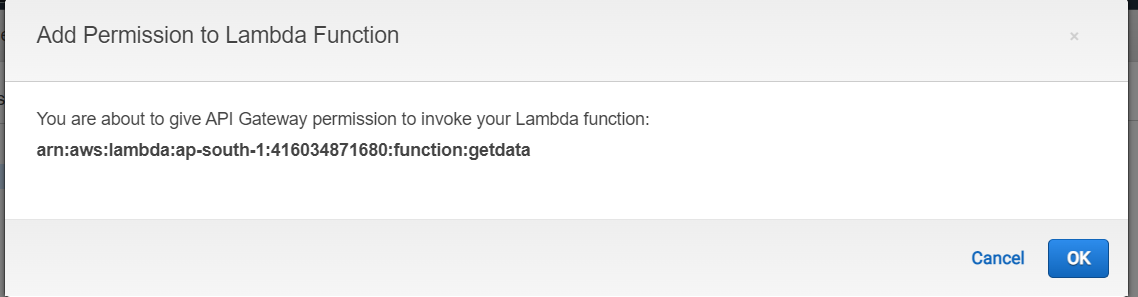
1. Now click on actions and click on create method and select the GET METHOD

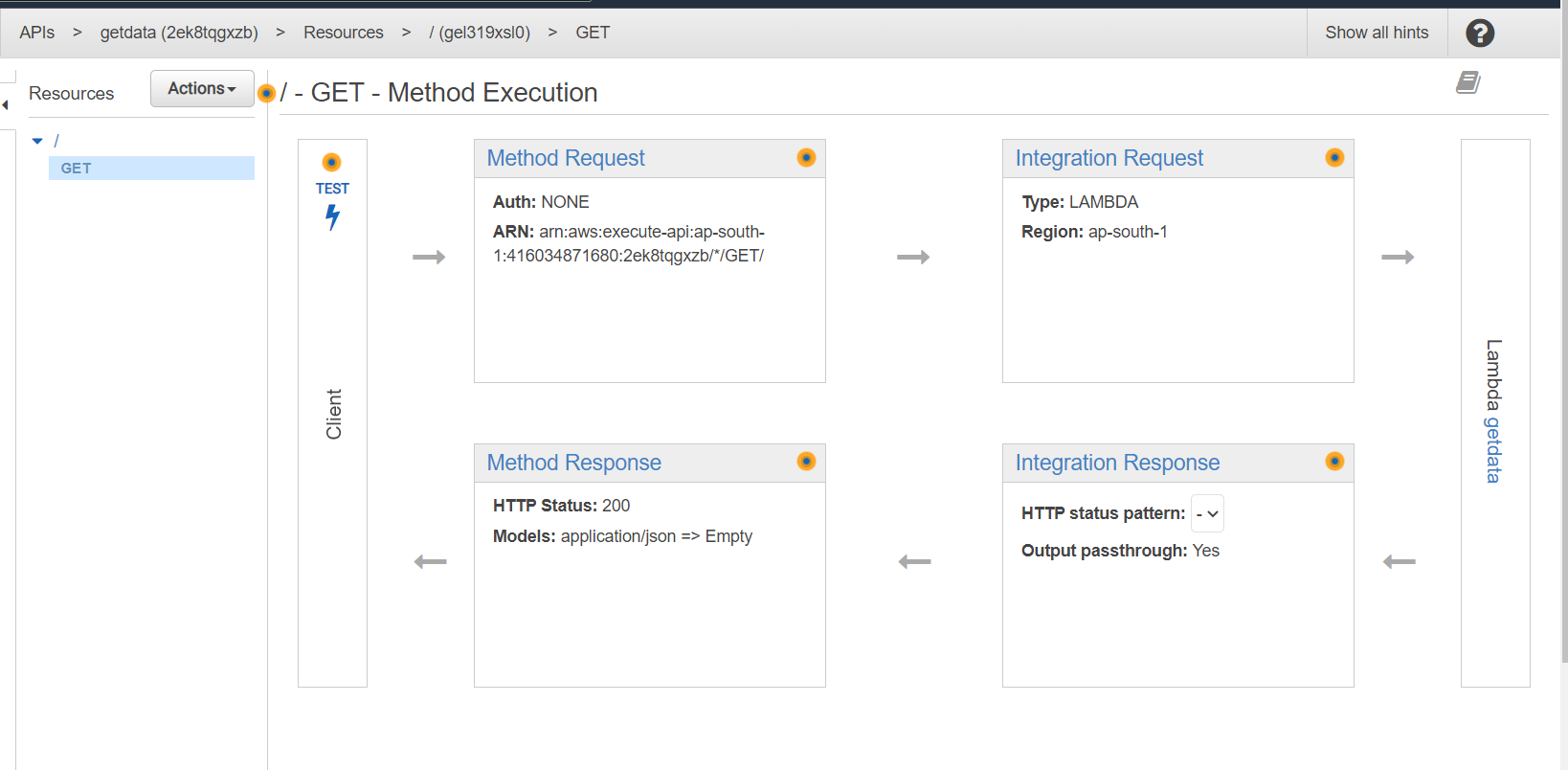


1. Now Follow the following fields

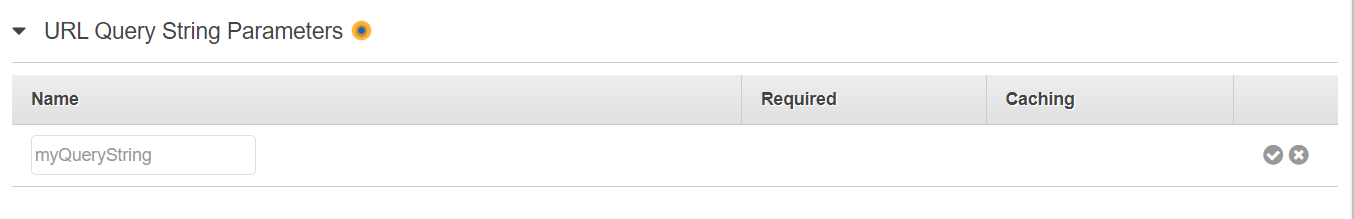
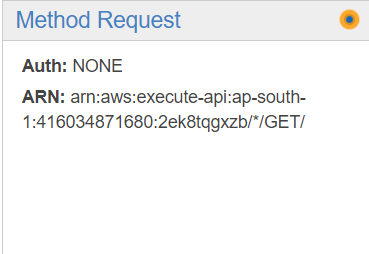


1. The output is as follows



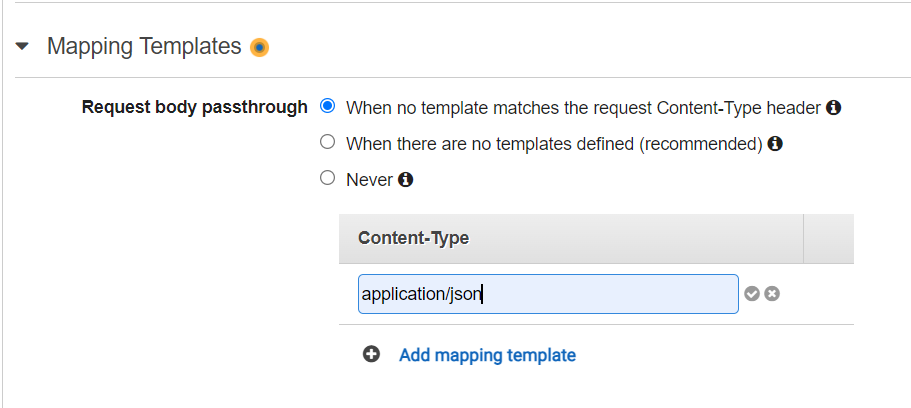
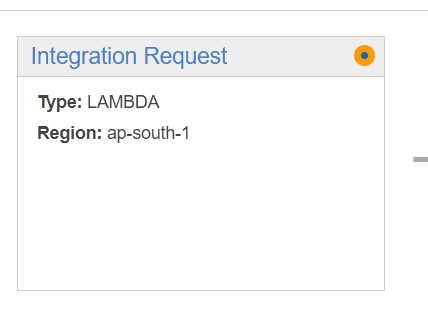


1. Click on Method Request





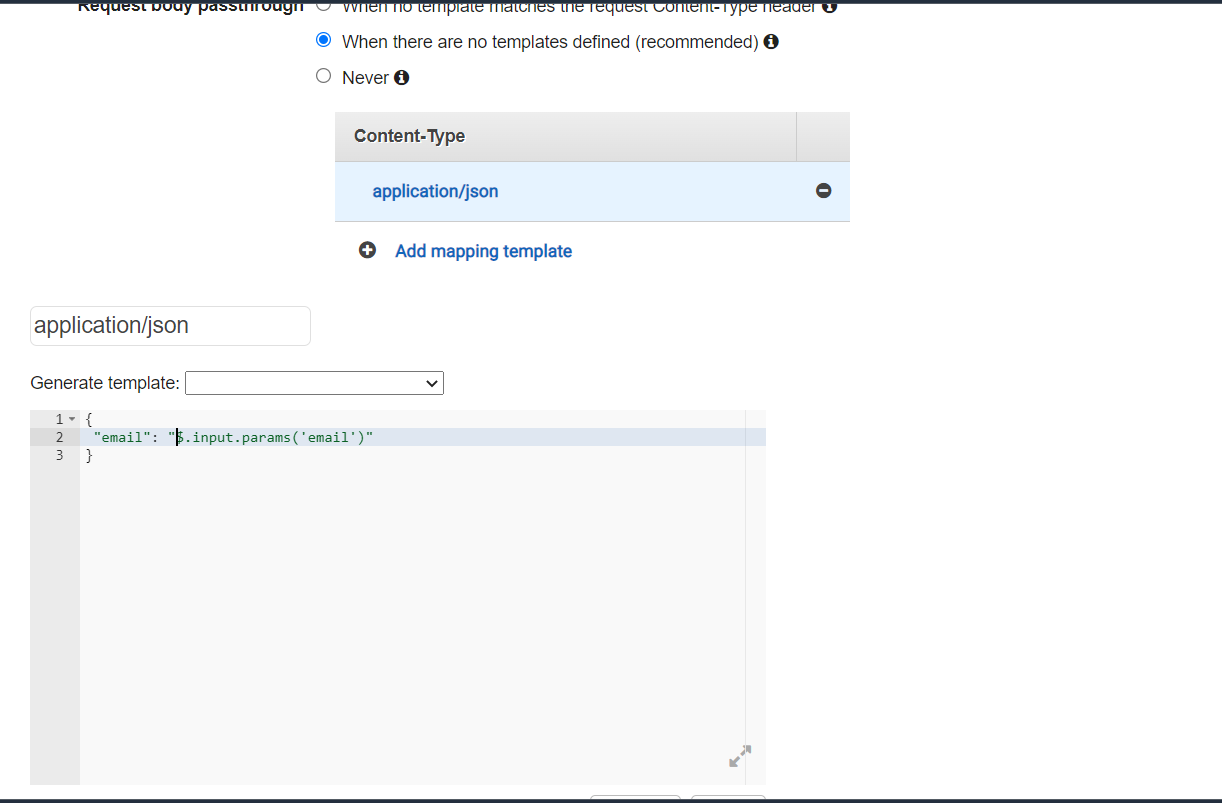
1. Now click on Integration Request



{

"email":"$input.params('email')"

}

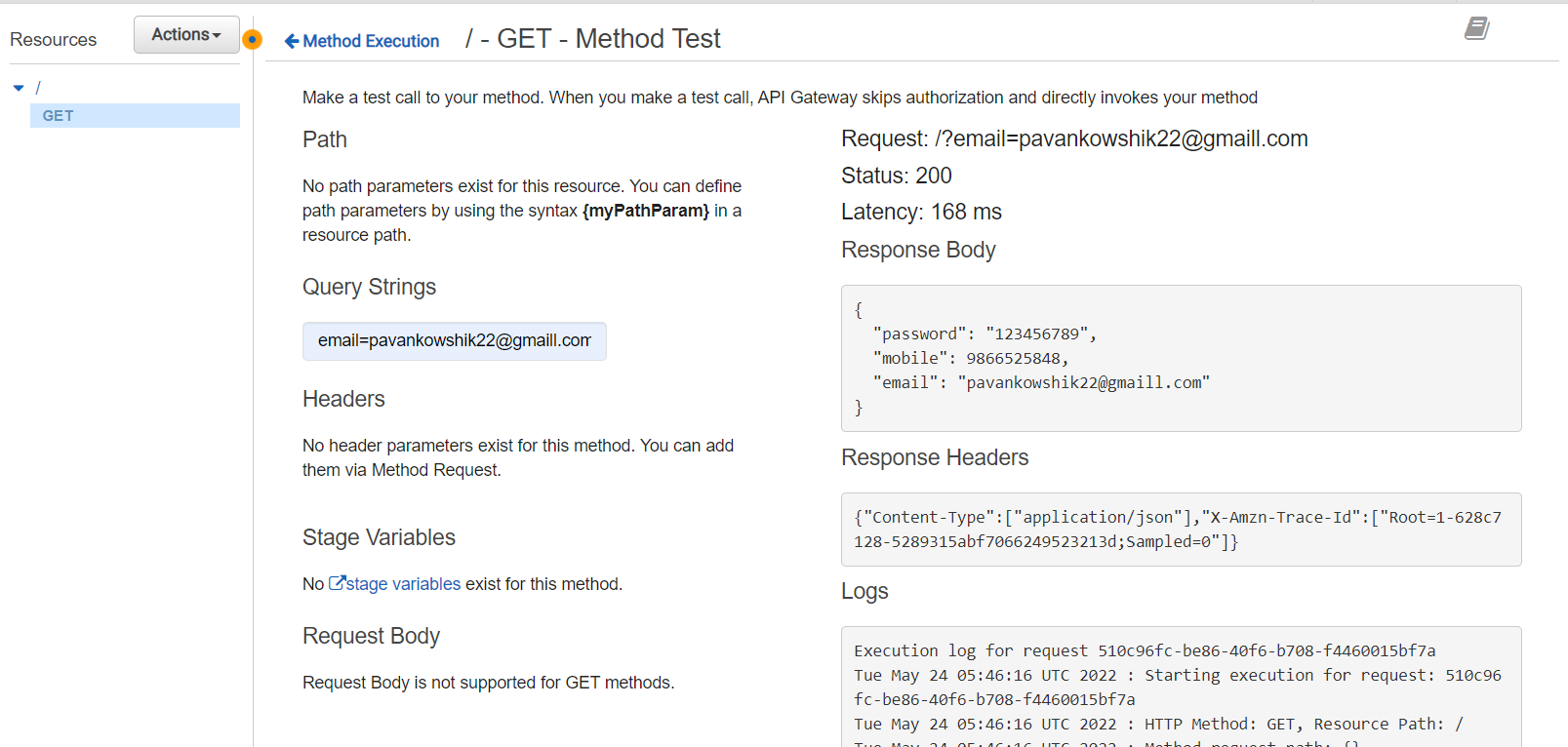


1. Now click on Test

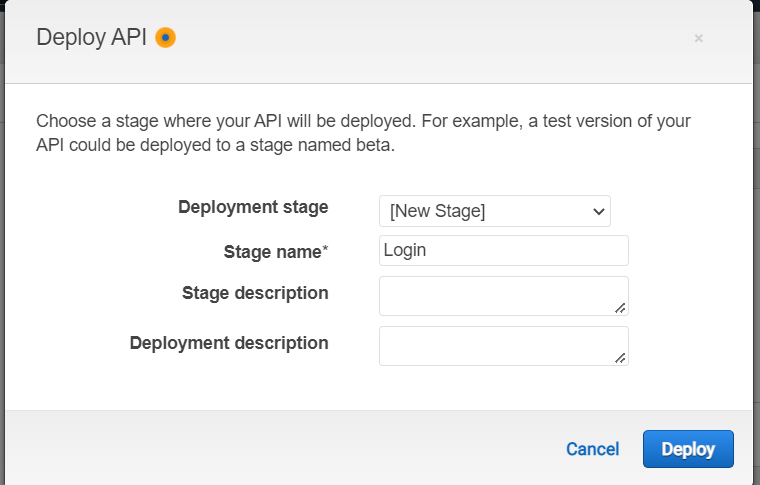
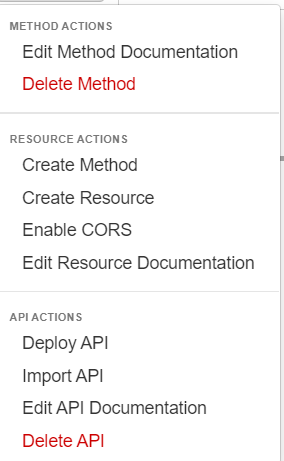


[email=pavankowshik22@gmaill.com](mailto:email=pavankowshik22@gmaill.com)

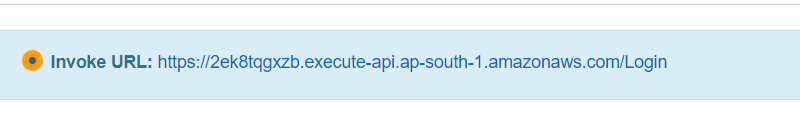
1. We get the details of the candidate



1. Now click on actions and deploy api

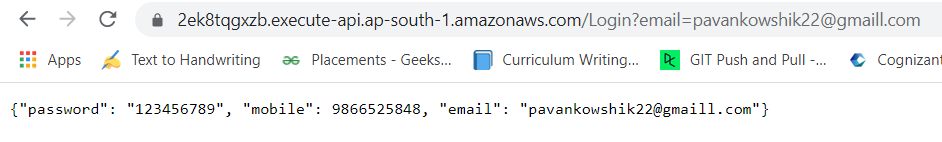


1. Click on the link



<https://2ek8tqgxzb.execute-api.ap-south-1.amazonaws.com/Login?email=pavankowshik22@gmaill.com>

Throgh Api we are going to fetch the data



Now We are goin to integrate the service to Flask app

def check(email):

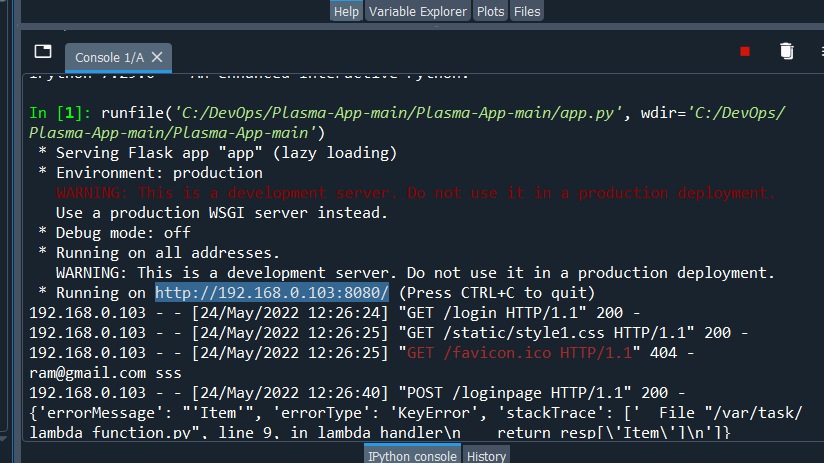
url = "https://2ek8tqgxzb.execute-api.ap-south-1.amazonaws.com/Login?email="+email

status = requests.request("GET",url)

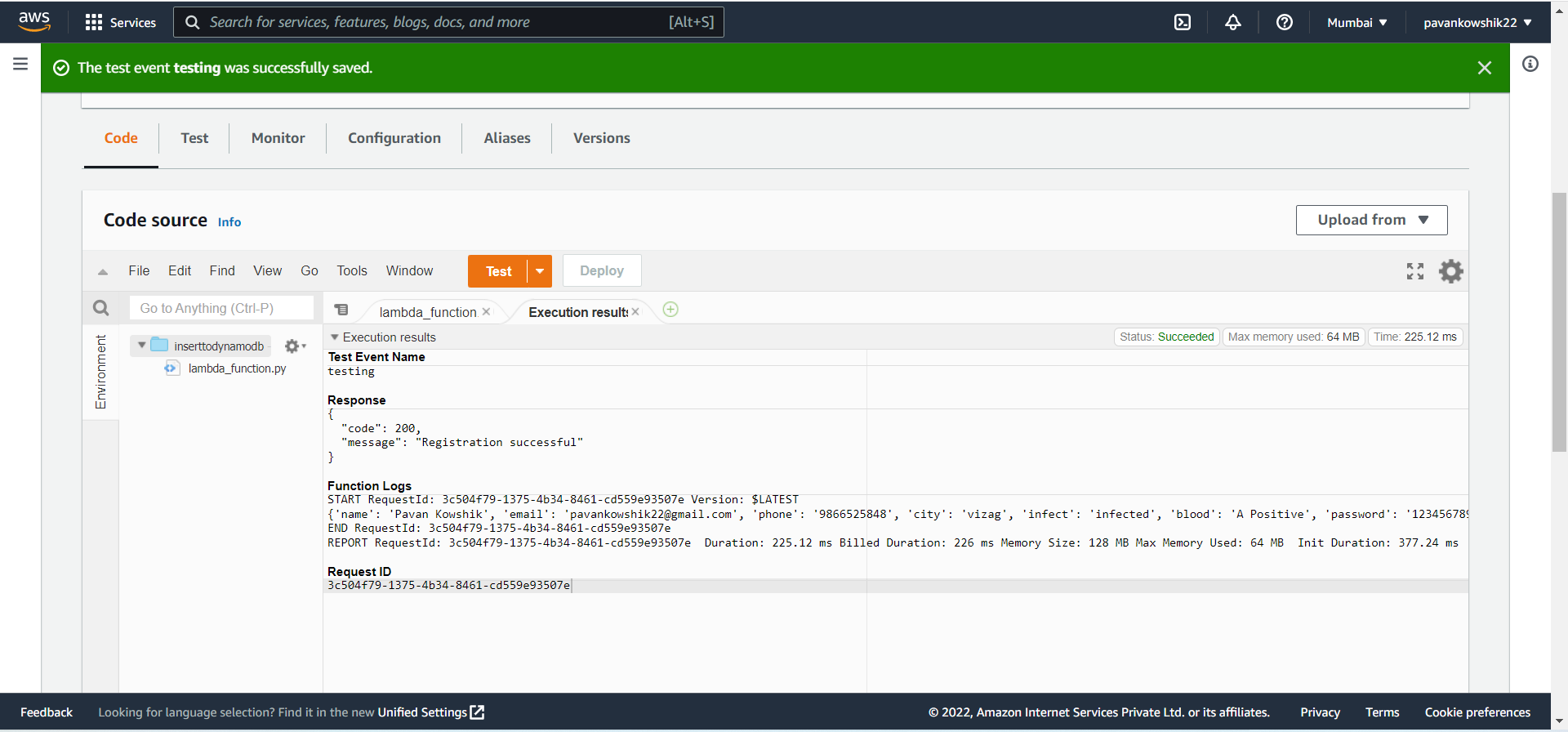
print(status.json())

return status.json()

Run the code with user names provided in the databaseof DynamoDb



1. Now add the data in Dynamodb



The following data:

{

"name":"Pavan Kowshik",

"email": "pavankowshik22@gmail.com",

"phone":"9866525848",

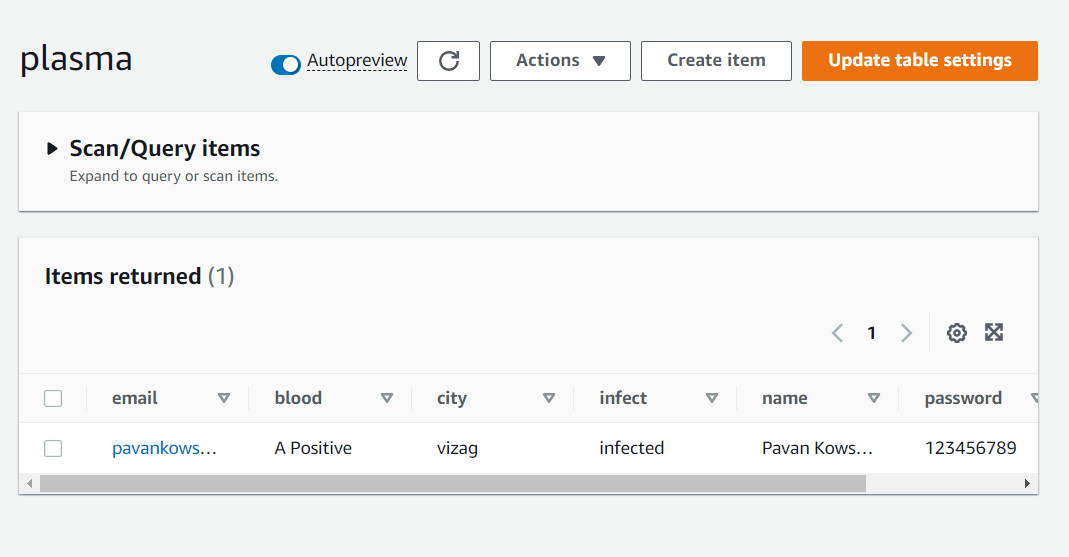
"city":"vizag",

"infect":"infected",

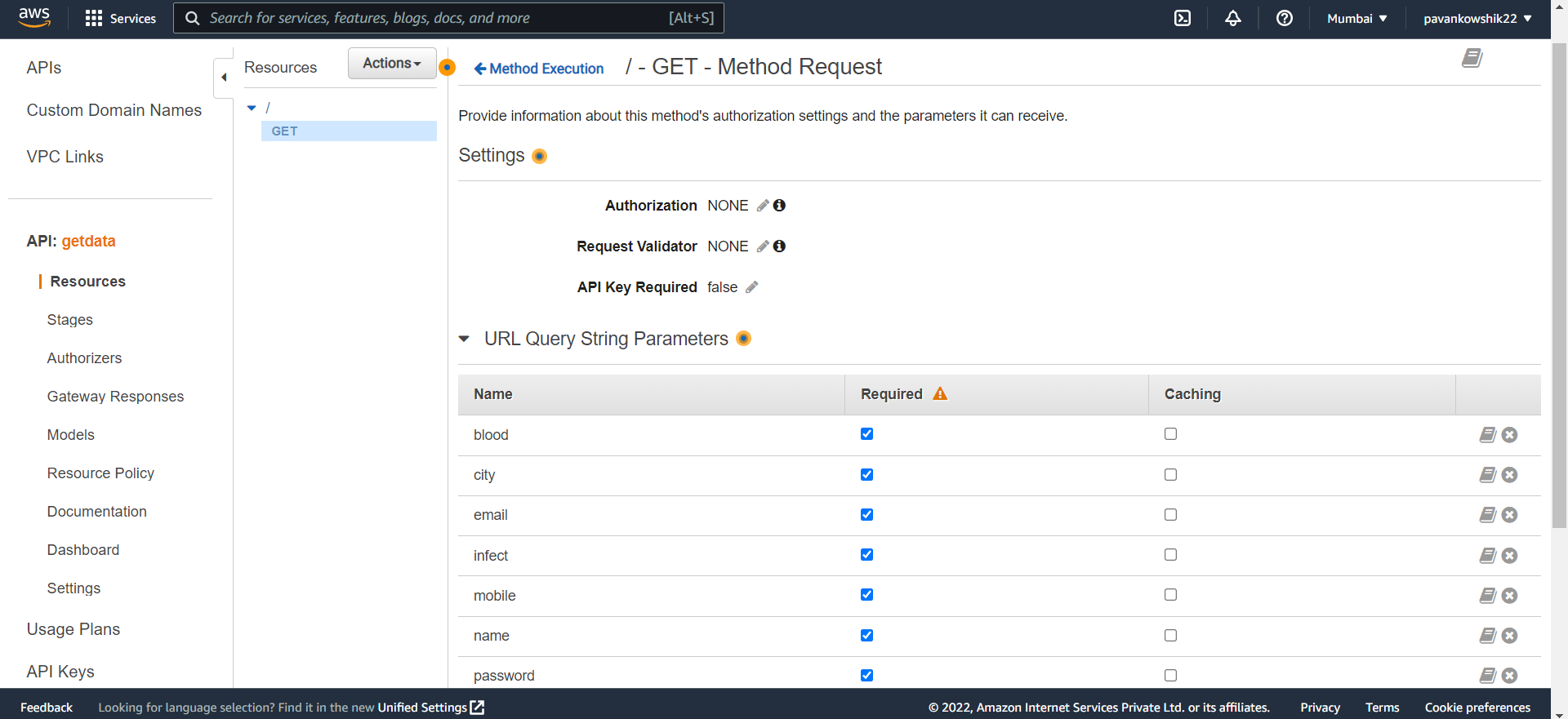
"blood":"A Positive",

"password":"123456789"

}



Now we need to modify the following:-



Apply the following changes:-

{

"email":"$input.params('email')",

"phone":"$input.params('phone')",

"city":"$input.params('city')",

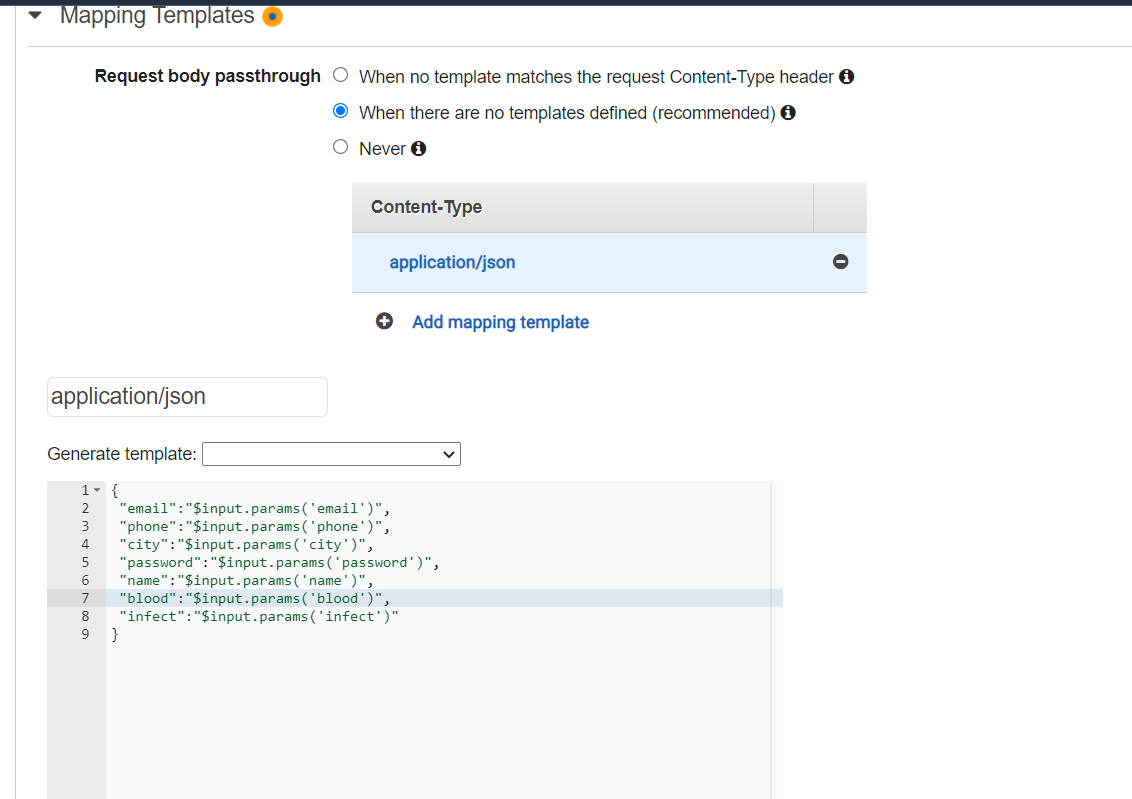
"password":"$input.params('password')",

"name":"$input.params('name')",

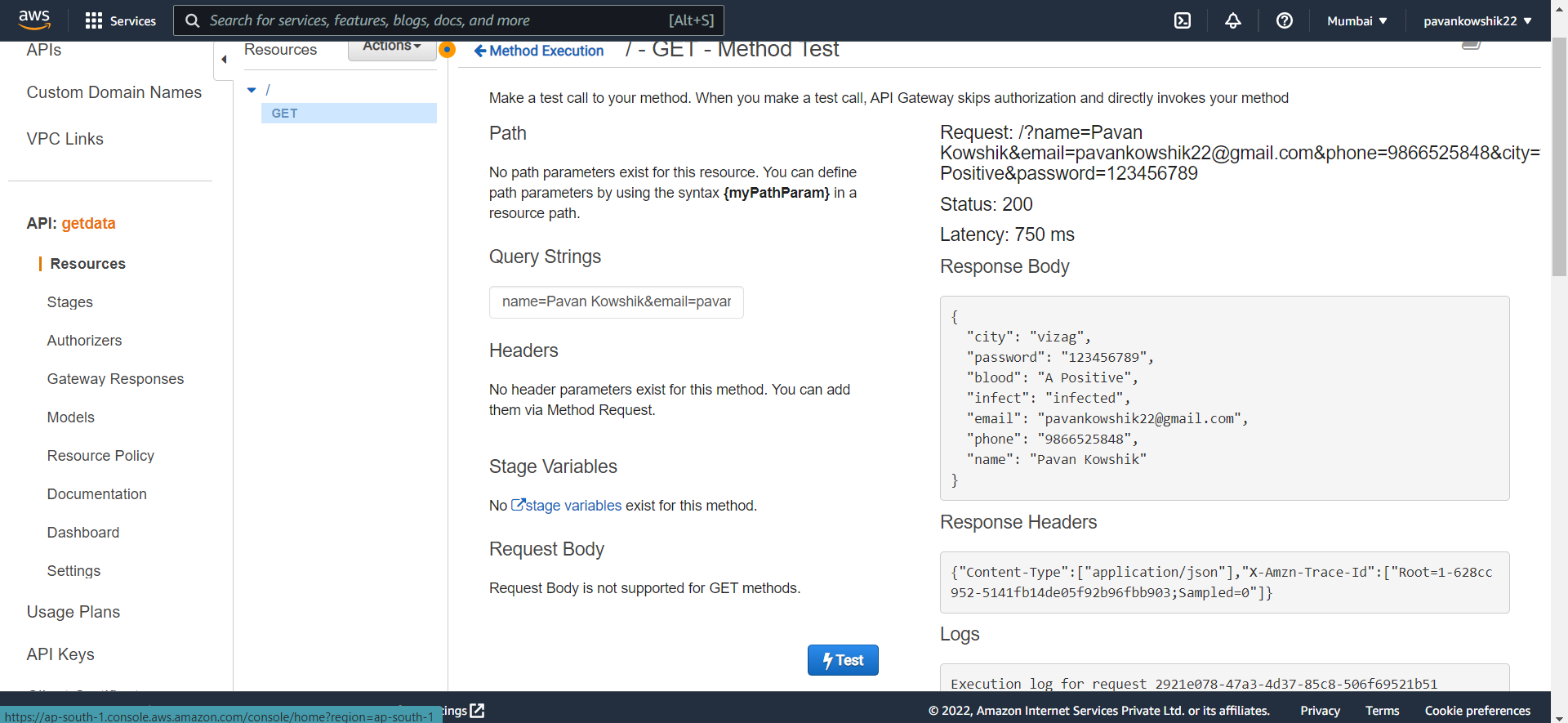
"blood":"$input.params('blood')",

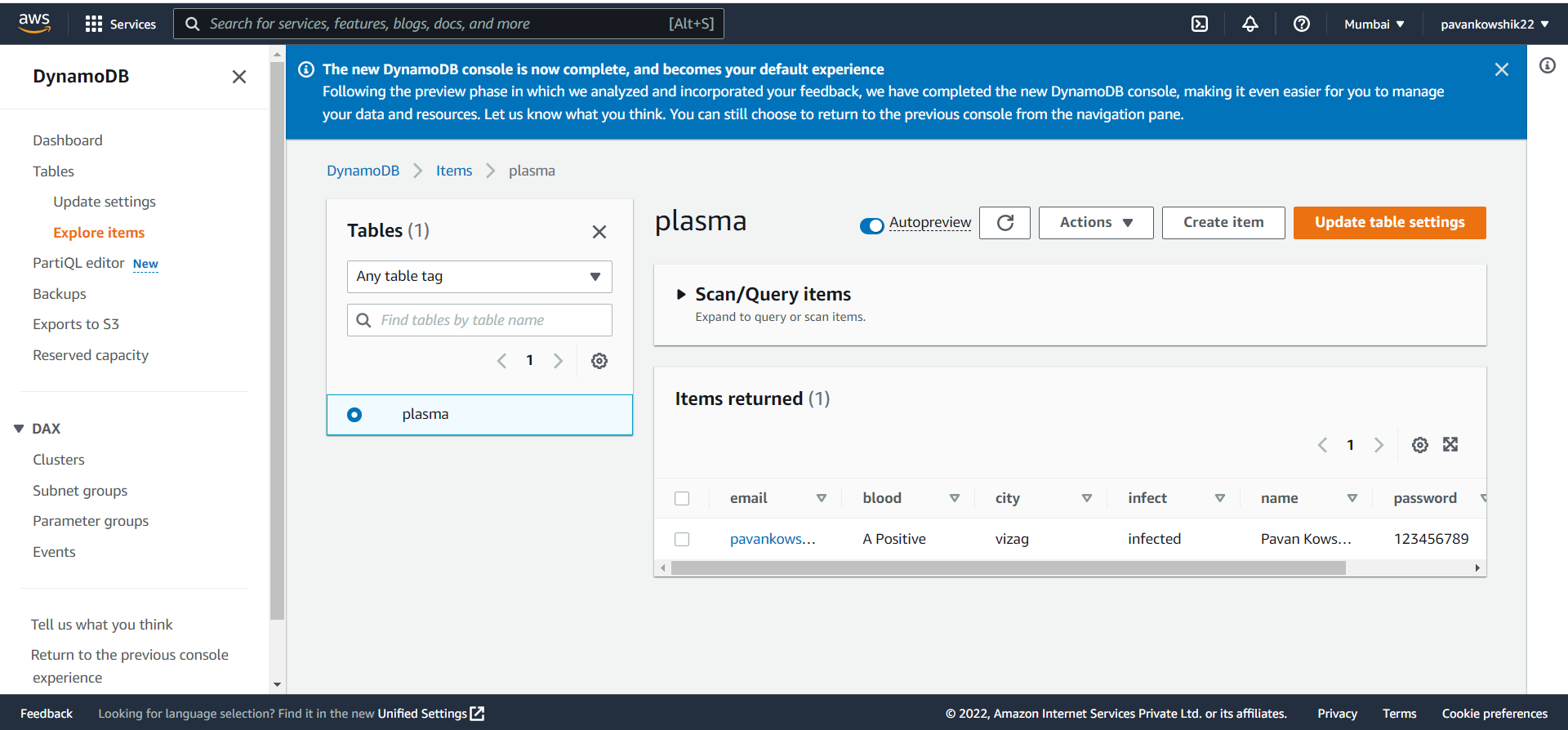
"infect":"$input.params('infect')"

}

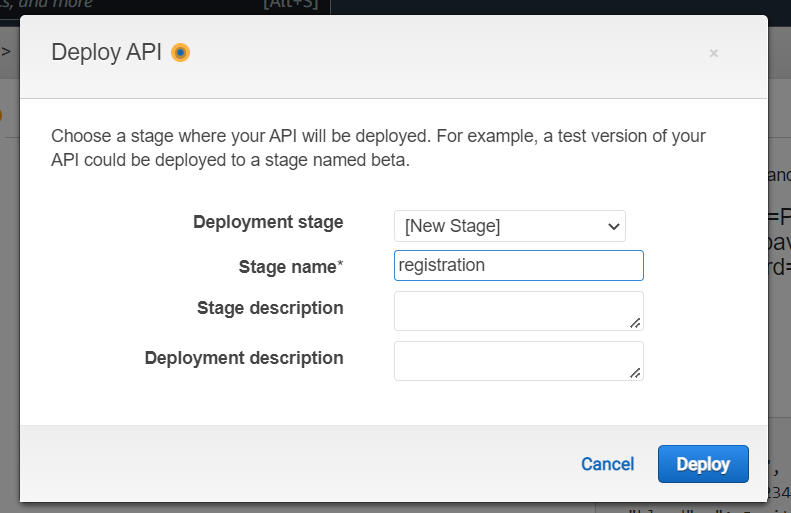


name=PavanKowshik&email=pavankowshik22@gmail.com&phone=9866525848&city=vizag&infect=infected&blood=A Positive&password=123456789





1. Now deploy the application



**Invoke URL:** <https://2ek8tqgxzb.execute-api.ap-south-1.amazonaws.com/registration>