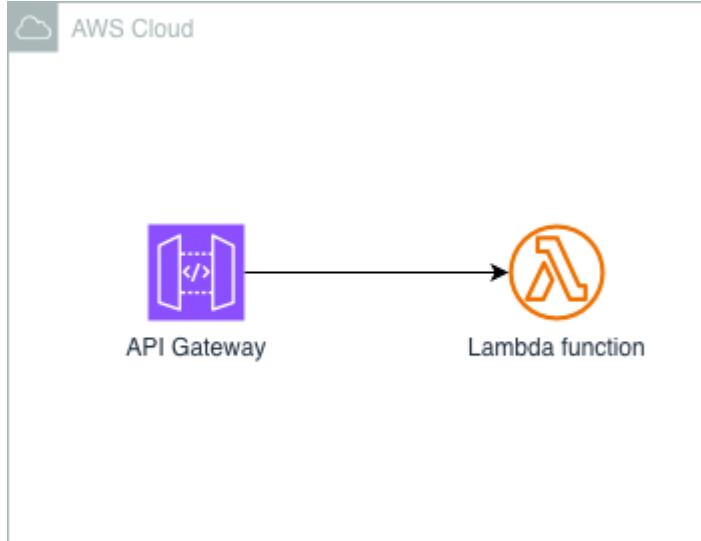


Receipt-Service AWS Deployment

The AI Receipt service has been deployed to AWS. It is a fully serverless deployment, using a Lambda function as the compute layer and API gateway as the entrypoint.



How do you use this?

```
1 import base64
2 import json
3 import requests
4
5 image_path = "receipt.jpg"
6 with open(image_path, "rb") as f:
7     image_bytes = f.read()
8
9 image_base64 = base64.b64encode(image_bytes).decode("utf-8")
10
11 payload = {
12     "image_base64": image_base64,
13     "categories": {
14         "Food": ["bread", "milk"],
15         "Drinks": ["water", "beer"]
16     }
17 }
18
19 api_url = "https://08zpaehzd6.execute-api.eu-west-1.amazonaws.com/receipt-service"
20 headers = {
21     "Content-Type": "application/json"
22 }
23
24 response = requests.post(api_url, headers=headers, data=json.dumps(payload))
25
26 if response.status_code == 200:
27     try:
28         result = response.json()
29         print(json.dumps(result, indent=2))
30     except json.JSONDecodeError:
31         print("Răspunsul nu e JSON:", response.text)
32 else:
33     print(f"Eroare: {response.status_code} - {response.text}")
34
```

I used the code snippet above to generate this output.

```
(venv) robert@Roberts-MacBook-Pro ReceiptService % python3 test.py
{
    "items": [
        {
            "name": "MASLINE ASORTATE",
            "quantity": 0.262,
            "price": 5.21,
            "category": "Food",
            "keywords": [
                "olives"
            ]
        },
        {
            "name": "CASTRAVETI FABIO",
            "quantity": 0.342,
            "price": 4.44,
            "category": "Food",
            "keywords": [
                "cucumbers"
            ]
        },
        {
            "name": "ARDEI GRAS ALB TR",
            "quantity": 0.112,
            "price": 1.57,
            "category": "Food",
            "keywords": [
                "bell pepper"
            ]
        }
    ],
    "total": 11.22
}
```

Please do bear in mind that sometimes you might get a 500 Internal Server Error. (I checked the logs from Lambda and it said that Gemini was returning a “server overloaded” error). In that case just wait a while and try again. I have a feeling it is because we are using a free API key but I am not sure, we might have to test with a paid one.

Copy pastable code from above:

```
import base64
import json
import requests

image_path = "receipt.jpg"
with open(image_path, "rb") as f:
    image_bytes = f.read()

image_base64 = base64.b64encode(image_bytes).decode("utf-8")

payload = {
    "image_base64": image_base64,
    "categories": {
        "Food": ["bread", "milk"],
        "Drinks": ["water", "beer"]
    }
}

api_url = "https://08zpaehzd6.execute-api.eu-west-1.amazonaws.com/receipt-service"
headers = {
    "Content-Type": "application/json"
}

response = requests.post(api_url, headers=headers, data=json.dumps(payload))

if response.status_code == 200:
    try:
        result = response.json()
        print(json.dumps(result, indent=2))
    except json.JSONDecodeError:
        print("Răspunsul nu e JSON:", response.text)
else:
    print(f"Eroare: {response.status_code} - {response.text}")
```