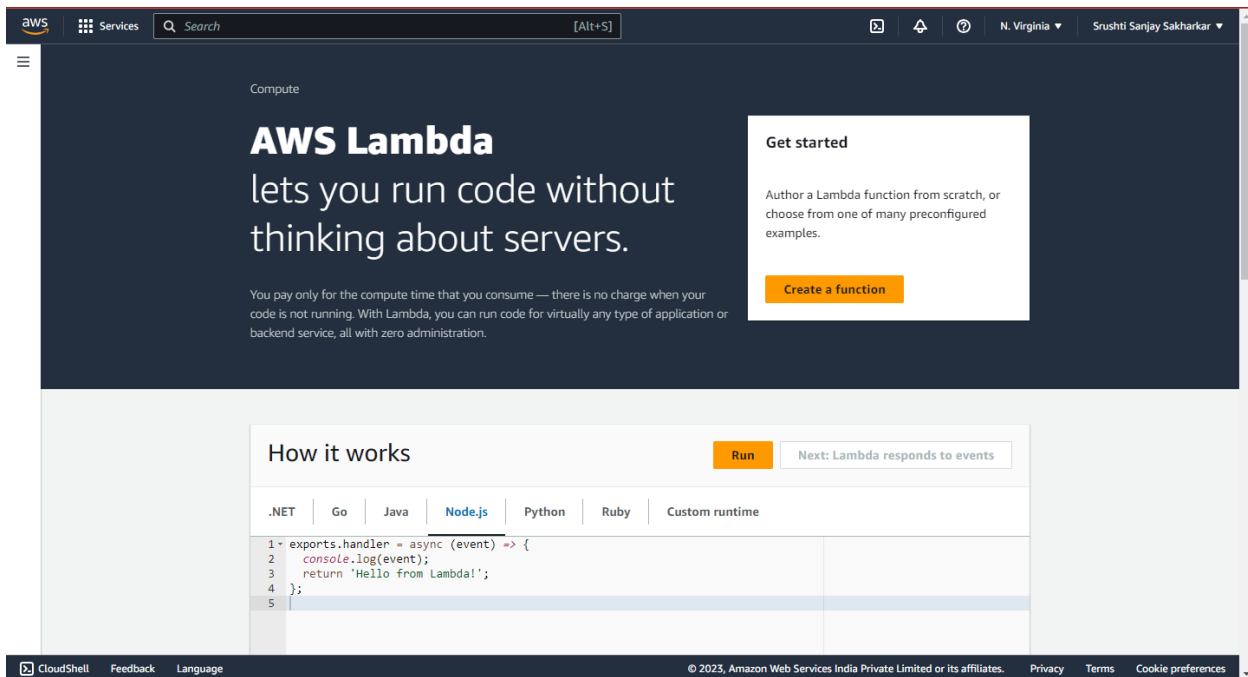
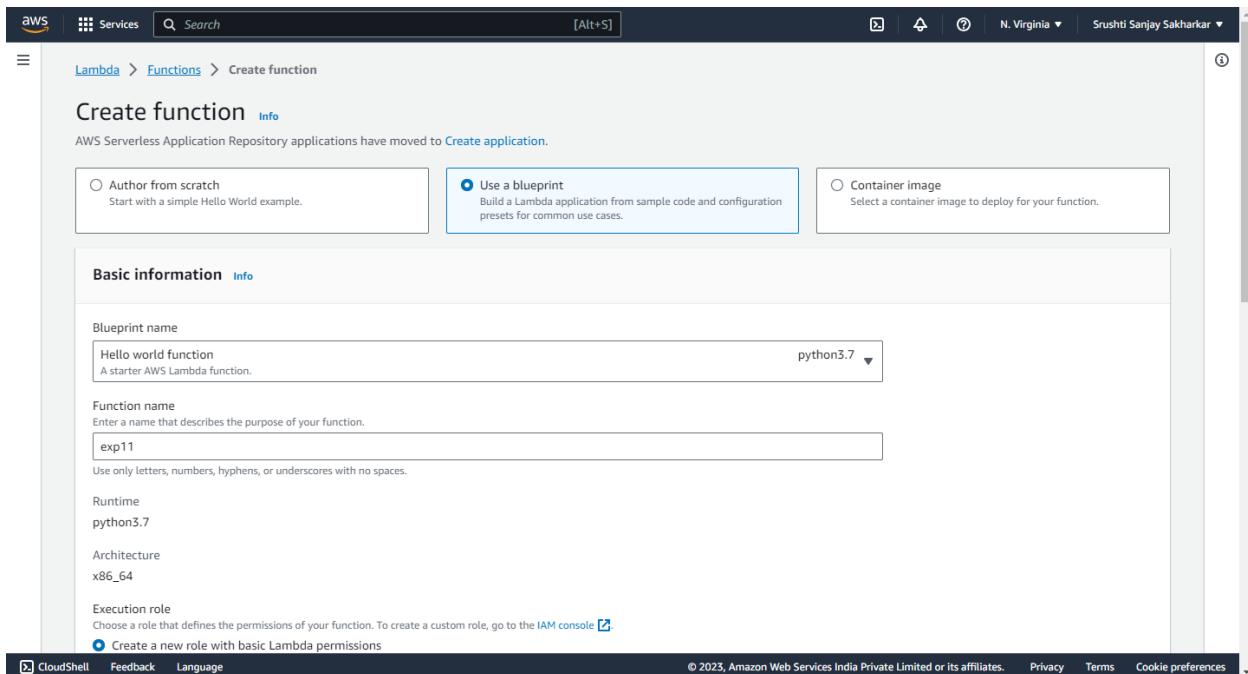


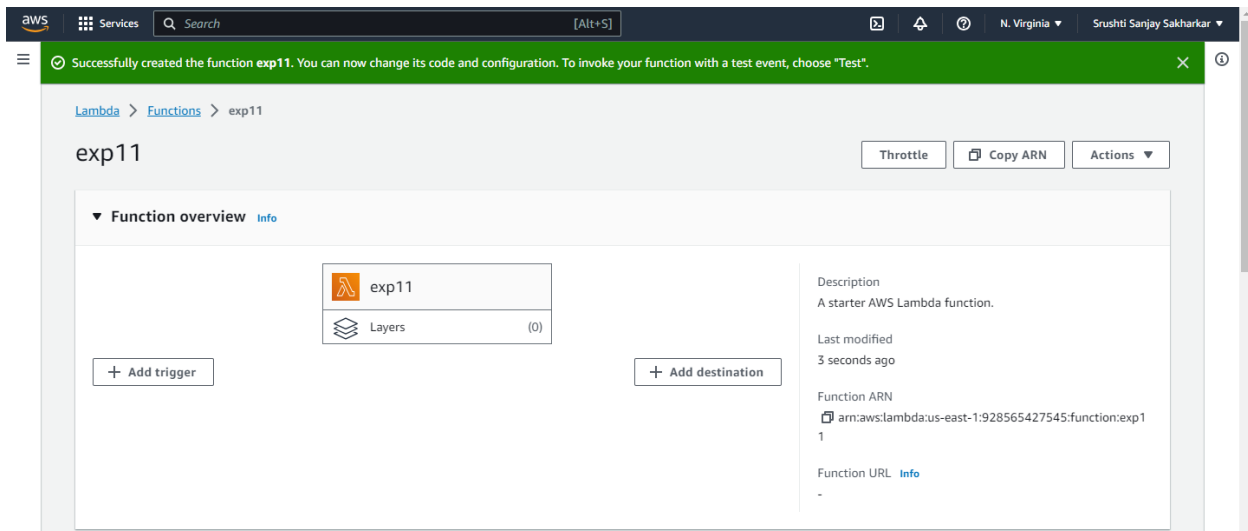
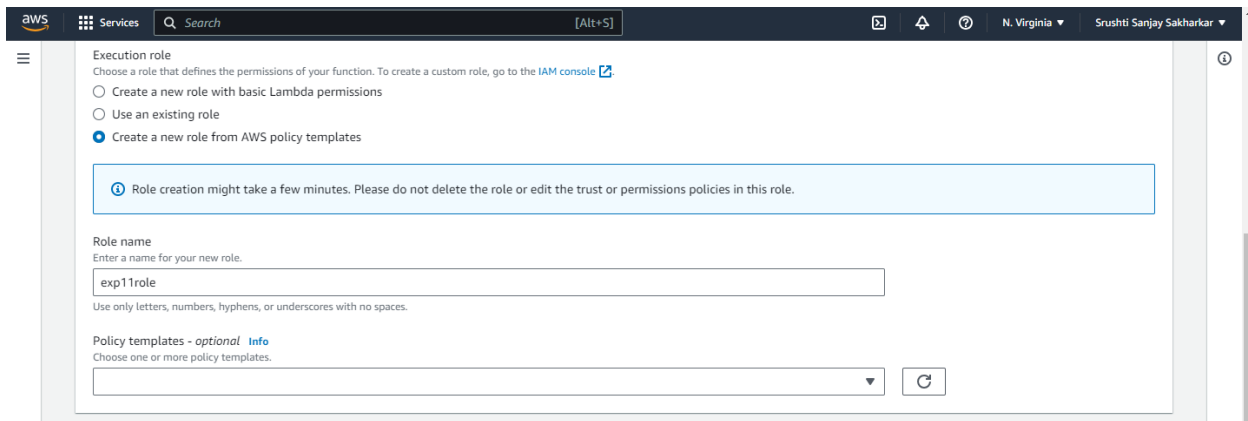
- Enter Lambda service from console



- Select a Lambda Blueprint



- Configure and create Lambda function



- Invoke Lambda function and verify results

Code source Info

File Edit Find View Go Tools Window Test Deploy

Go to Anything (Ctrl-P)

Environment

exp11 - /

lambda_function.py

```
1 import json
2
3 print('Loading function')
4
5
6 def lambda_handler(event, context):
7     #print("Received event: " + json.dumps(event, indent=2))
8     print("value1 = " + event['key1'])
9     print("value2 = " + event['key2'])
10    print("value3 = " + event['key3'])
11    return event['key1'] # Echo back the first key value
12    #raise Exception('Something went wrong')
13
```

Configure test event

A test event is a JSON object that mocks the structure of requests emitted by AWS services to invoke a Lambda function. Use it to see the function's invocation result.

To invoke your function without saving an event, configure the JSON event, then choose Test.

Test event action

☒ Create new event

☐ Edit saved event

Event name

event1

Maximum of 25 characters consisting of letters, numbers, dots, hyphens and underscores.

Event sharing settings

☒ Private

This event is only available in the Lambda console and to the event creator. You can configure a total of 10. [Learn more](#)

☐ Shareable

This event is available to IAM users within the same account who have permissions to access and use shareable events. [Learn more](#)

Template - optional

hello-world

Event JSON

Format JSON

```
1 {  
2   "key1": "Srushti Sanjay Sakharkar",  
3   "key2": "Hello World",  
4   "key3": "Roll No. 38"  
5 }
```

Execution results

Status: Succeeded Max memory used: 36 MB Time: 2.02 ms

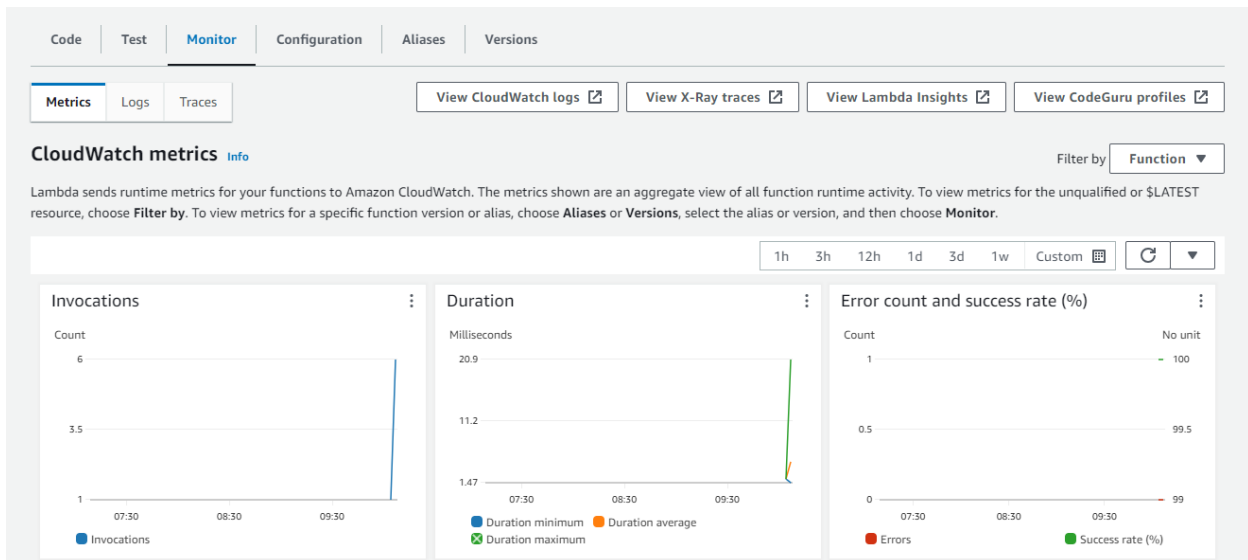
Test Event Name
event1

Response
"Srushti Sanjay Sakharkar"

Function Logs
Loading function
START RequestId: dc3712a0-02a6-47cb-b490-866c60678898 Version: \$LATEST
value1 = Srushti Sanjay Sakharkar
value2 = Hello World
value3 = Roll No. 38
END RequestId: dc3712a0-02a6-47cb-b490-866c60678898
REPORT RequestId: dc3712a0-02a6-47cb-b490-866c60678898 Duration: 2.02 ms Billed Duration: 3 ms Memory Size: 128 MB Max Memory Used: 36 MB Init Duration: 0.00 ms

Request ID
dc3712a0-02a6-47cb-b490-866c60678898

- AWS Lambda automatically monitors Lambda functions and reports metrics.



Configure test event



A test event is a JSON object that mocks the structure of requests emitted by AWS services to invoke a Lambda function. Use it to see the function's invocation result.

To invoke your function without saving an event, modify the event, then choose Test. Lambda uses the modified event to invoke your function, but does not overwrite the original event until you choose Save changes.

Test event action

☐ Create new event

☒ Edit saved event

Event name

event1



Delete

Event JSON

Format JSON

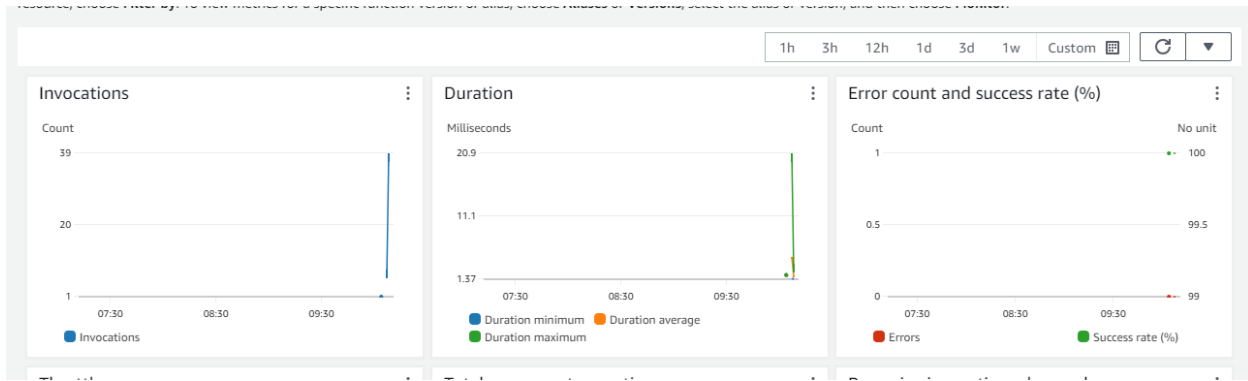
```
1 {  
2   "": "Srushti Sanjay Sakharkar",  
3   "key2": "Hello World",  
4   "key3": "Roll No. 38"  
5 }
```

lambda_function × Environment Var × Execution result × +

▼ Execution results

Status: **Failed** Max memory used: 38 MB Time: 2.31 ms

Test Event Name	event1
Response	<pre>{ "errorMessage": "'key1'", "errorType": "KeyError", "stackTrace": [" File \"/var/task/lambda_function.py\", line 8, in lambda_handler\n print(\"value1 = \" + event['key1'])\n] }</pre>
Function Logs	<pre>START RequestId: 9a69d063-4e1e-49c7-a6cb-f00efd0beab6 Version: \$LATEST [ERROR] KeyError: 'key1' Traceback (most recent call last): ...File "/var/task/lambda_function.py", line 8, in lambda_handler ...print("value1 = " + event['key1']) END RequestId: 9a69d063-4e1e-49c7-a6cb-f00efd0beab6 REPORT RequestId: 9a69d063-4e1e-49c7-a6cb-f00efd0beab6 Duration: 2.31 ms Billed Duration: 3 ms Memory Size: 128 MB Max Memory Used: 38 MB</pre>
Request ID	9a69d063-4e1e-49c7-a6cb-f00efd0beab6



- Clean up Lambda function

[Lambda](#) > Functions

Functions (1/1) Last fetched 3 seconds ago [refresh] [Actions] [Create function]

Filter by tags and attributes or search by keyword

<input checked="" type="checkbox"/>	Function name	Description	Package type	Runtime	Last modified
<input checked="" type="checkbox"/>	exp11	A starter AWS Lambda function.	Zip	Python 3.7	18 minutes ago

[IAM](#) > Roles

Roles (Selected 1/3) [Info] [refresh] [Delete] [Create role]

An IAM role is an identity you can create that has specific permissions with credentials that are valid for short durations. Roles can be assumed by entities that you trust.

Search

<input type="checkbox"/>	Role name	Trusted entities	Last activity
<input type="checkbox"/>	AWSServiceRoleForSupport	AWS Service: support (Service-Linked Role)	-
<input type="checkbox"/>	AWSServiceRoleForTrustedAdvisor	AWS Service: trustedadvisor (Service-Linked Role)	-
<input checked="" type="checkbox"/>	exp11role	AWS Service: lambda	-

Roles Anywhere [Info] [Manage]

Authenticate your non AWS workloads and securely provide access to AWS services.