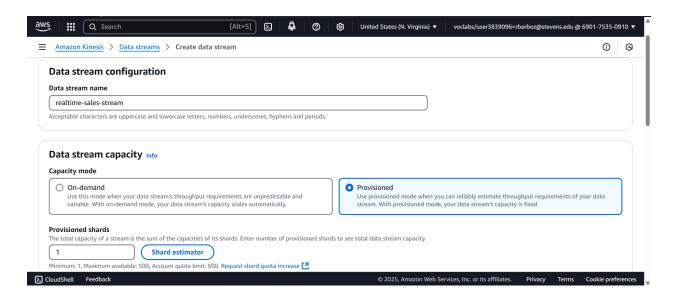
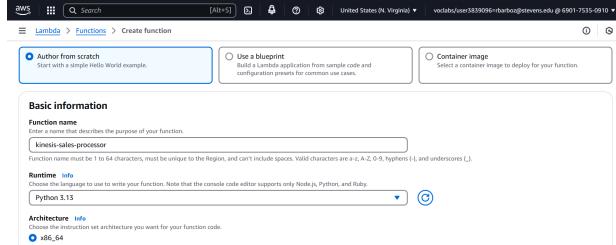
# # Lab 4: Real-Time Data Streaming with Amazon Kinesis & CloudWatch

### Step 1: Create a Kinesis Data Stream



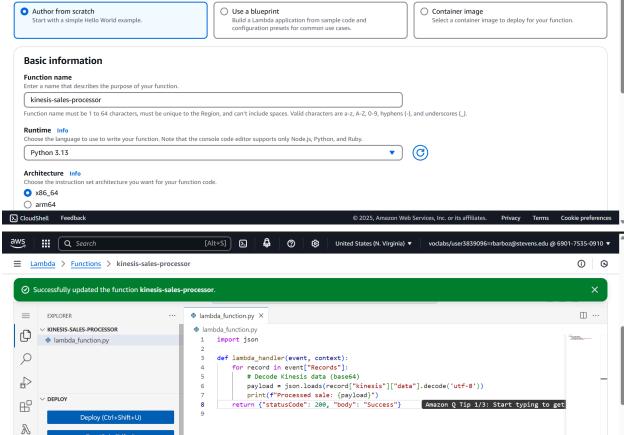
#### Step 2: Send Data to Kinesis Stream (AWS CLI)



Step 3: Create a Lambda Function to Process Stream Data

 $\lor$  TEST EVENTS [NONE SELECTED]

+ Create new test event



① **③** 

Step 4: Attached Lambda to Kinesis Stream and in trigger I Select realtime-sales-stream in Lambda settings

i Successfully updated the function kinesis-sales-processor.

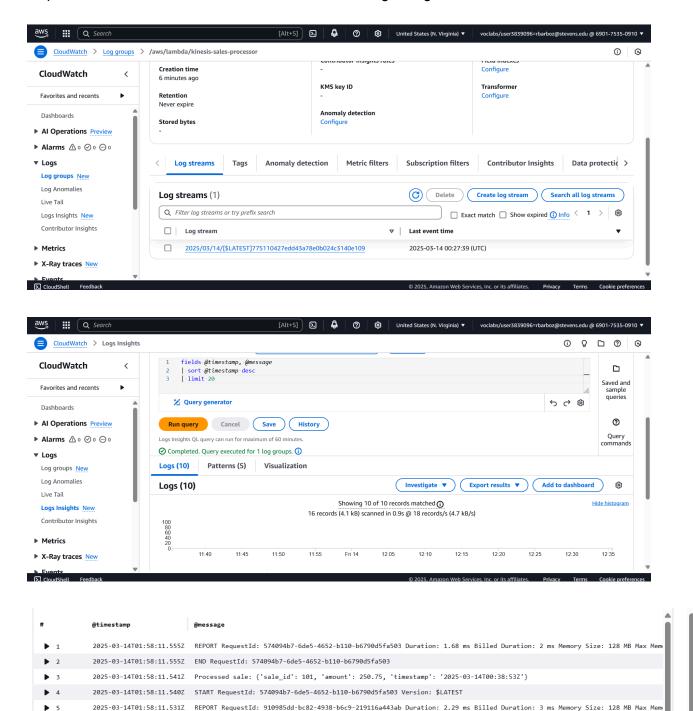
## Step 5: Monitor Kinesis Stream Data in CloudWatch Logs Insights

2025-03-14T01:58:11.530Z END RequestId: 910985dd-bc82-4938-b6c9-219116a443ab

2025-03-14T01:58:11.529Z Processed sale: {'sale\_id': 101, 'amount': 250.75, 'timestamp': '2025-03-14T00:38:49Z'}

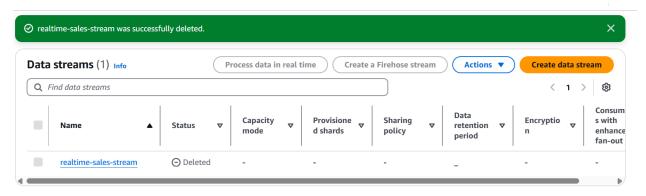
© 2025, Amazon Web Services, Inc. or its affiliates.

2025-03-14T01:58:11.528Z START RequestId: 910985dd-bc82-4938-b6c9-219116a443ab Version: \$LATEST

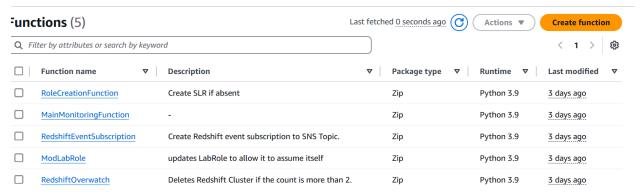


## Step 6: Cleanup

### 1. Delete Kinesis Stream:



#### 2. Delete Lambda Function:



## 3. Delete CloudWatch Log Group:

