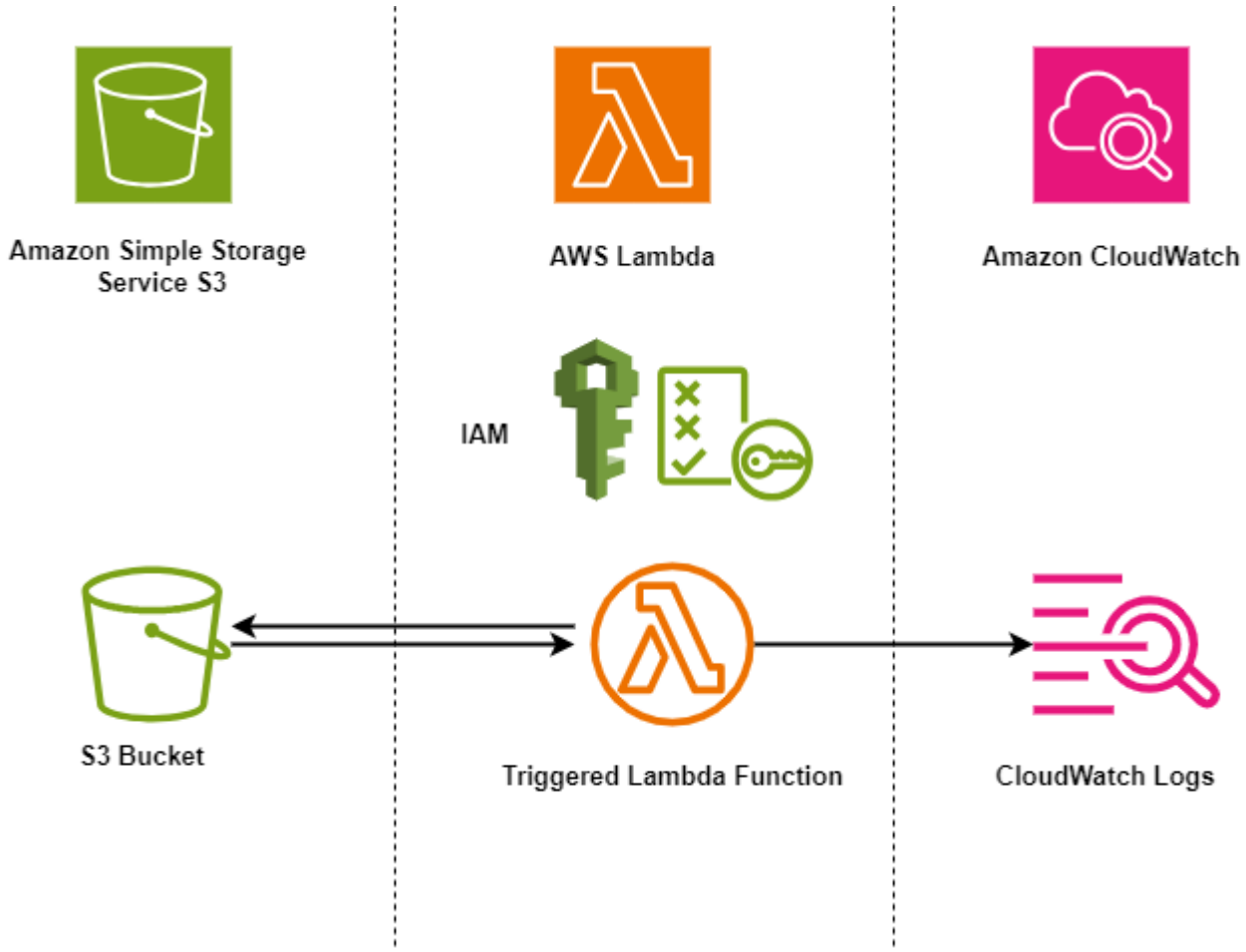

🚀 Project: Automating S3 to Lambda Triggers

1️⃣ Clone the GitHub Repository

- Go to repo: `Automating-S3-to-Lambda-Triggers-main`
- Clone and open in VS Code

2️⃣ Create a Lambda Function on AWS

- Navigate to: `AWS → Lambda → Create function`
- Function Name: `fn-sock-prices-sy`
- Runtime: `Python 3.9`
- Role Name: `role-stock-prices-sy`
- Click **Create function**

3 Attach S3 Permissions to Lambda Role

- Go to: `Configuration → Permissions`
- Select Role: `role-stockprice-py`
- Click: `Add permission → Attach policy`
- Search: `s3`
- Select: `AmazonS3FullAccess`

4 Set Lambda Timeout Duration

- Go to: `Configuration → Edit Timeout`
- Set time: `1 minute 3 seconds`
- Click: `Save`

5 Add Lambda Function Code

- Go to: `Lambda → Function → Code`
- Paste `lambdafunction.py` code
- Click `Deploy`

6 Create an S3 Bucket and Folder Structure

- Search: `S3 → Create bucket`
- Bucket Name: `s3-stock-prices-sy`
- Tags: `Key = project`, `Value = sock-prices`
- Create Folders:
  - Folder 1: `input-data`
  - Folder 2: `output-data`

7 Upload File to S3 Input Folder

- Go to: `Amazon S3 → Bucket → s3-stock-prices-sy → input`
- Select file → Click `Action → Copy`
- Click `Browse S3 → Choose destination`
- Now you can see **new log()**

8️⃣ Add S3 Trigger to Lambda

- Go to: `Lambda → Add triggers`
- Search: `S3`
- Bucket: `s3-stock-prices-sy`
- Prefix: `input-data`
- Suffix: `.csv`
- Check: `Recursive invocation`

9️⃣ Upload CSV File to Trigger Lambda

- Go to: `Amazon S3 → Bucket → s3-stock-prices-sy → input`
- Click `Upload → Add files → Upload`
- ✅ You will see your file appear in `output` folder

🔟 Add Event Logging in Lambda Function

- Go to: `Lambda → Function → Code`
- Add: `print (f "Received event", event)` inside `lambda_handler` function
- Click `Deploy`

1️⃣1️⃣ View CloudWatch Logs

- Go to: `Lambda → Function → Monitor → View CloudWatch logs (open in new tab)`
- Inside `Log Streams` → Click the log with `Received event`, event
- Click `Show More → Copy code in {...}`

1️⃣2️⃣ Create a Test Case Using Log Data

- Go to: `Lambda → Function → Code → Test`
- Paste the copied log code in test JSON
- Choose Template (optional): `S3 put`
- Edit: `Name` and `Key` as per your log data

- ✅ Now you can simulate Lambda manually