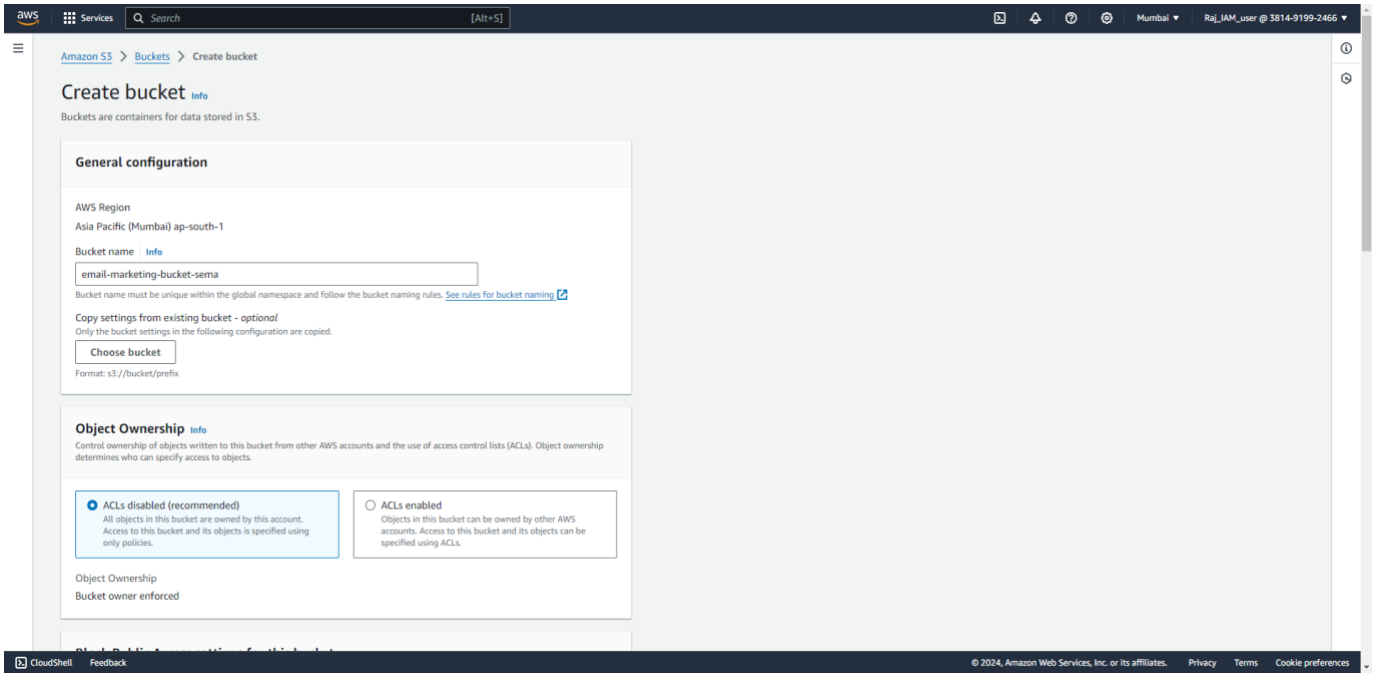
AWS Project

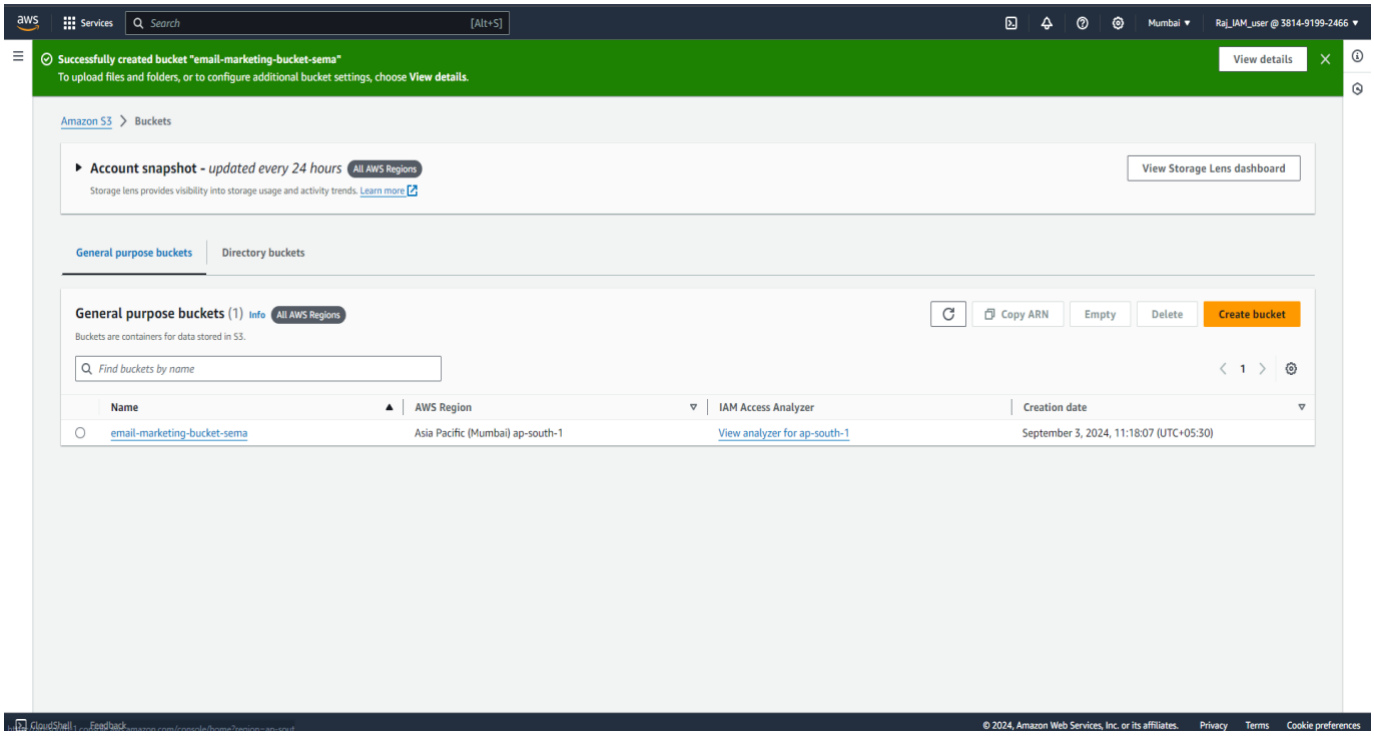
Building a Serverless Email Marketing Application

Steps to Implement:-

1. A place to store Email templates and list of contacts in S3.

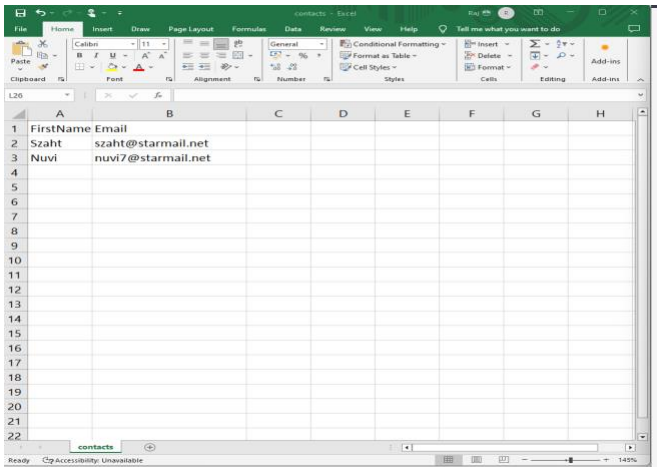
1.1 Creating an S3 bucket to store email templates and contacts



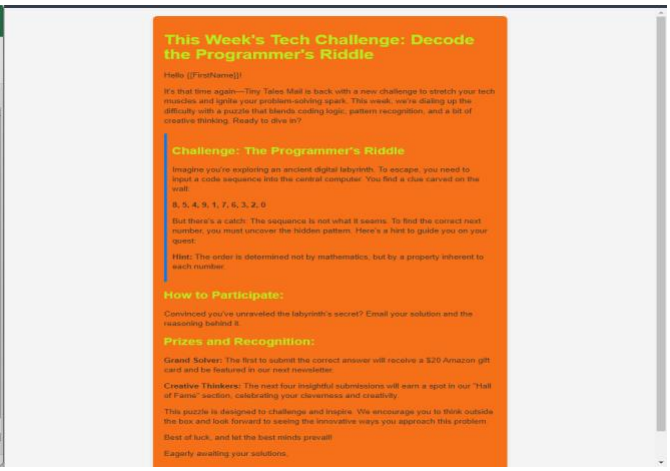


1.2 Contacts and Email Template resources

The HTML email template will be using to send the CSV file with contact information to email.



	A	B
1	FirstName	Email
2	Szaht	szaht@starmail.net
3	Nuvi	nuvi7@starmail.net



This Week's Tech Challenge: Decode the Programmer's Riddle

Hello {{FirstName}}!

It's that time again—Tiny Tales Mail is back with a new challenge to stretch your tech muscles and ignite your problem-solving spark. This week, we're dialing up the difficulty with a puzzle that blends coding logic, pattern recognition, and a bit of creative thinking. Ready to dive in?

Challenge: The Programmer's Riddle

Imagine you're exploring an ancient digital labyrinth. To escape, you need to input a code sequence into the central computer. You find a clue carved on the wall:

8, 5, 4, 9, 1, 7, 6, 3, 2, 0

But there's a catch: The sequence is not what it seems. To find the correct next number, you must uncover the hidden pattern. Here's a hint to guide you on your quest:

Hint: The order is determined not by mathematics, but by a property inherent to each number.

How to Participate:

Convinced you've unraveled the labyrinth's secret? Email your solution and the reasoning behind it.

Prizes and Recognition:

Grand Solver: The first to submit the correct answer will receive a $20 Amazon gift card and be featured in our next newsletter.

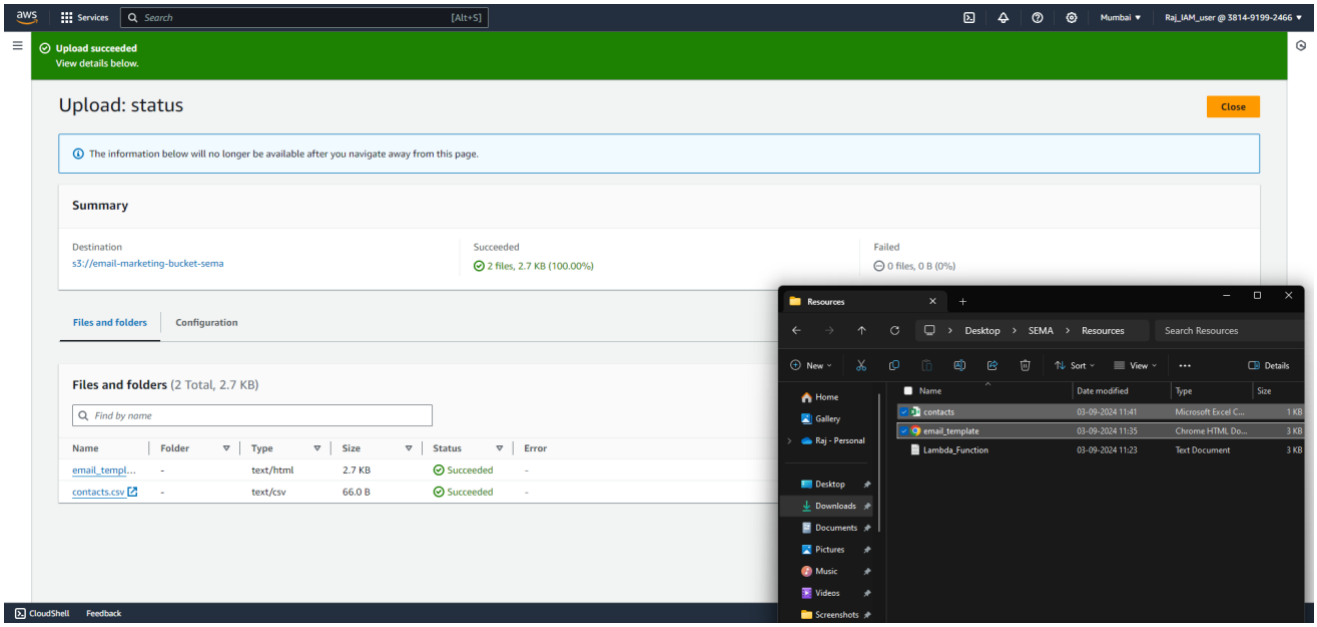
Creative Thinkers: The next four insightful submissions will earn a spot in our "Hall of Fame" section, celebrating your cleverness and creativity.

This puzzle is designed to challenge and inspire. We encourage you to think outside the box and look forward to seeing the innovative ways you approach this problem.

Best of luck, and let the best minds prevail!

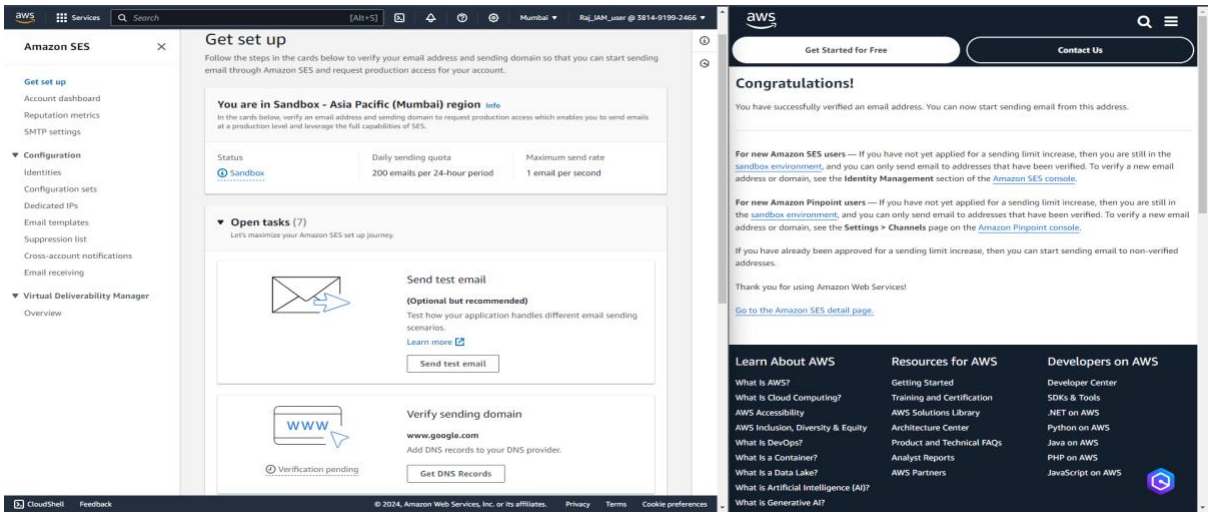
Eagerly awaiting your solutions,

1.3 Uploaded the email template and contact list to S3

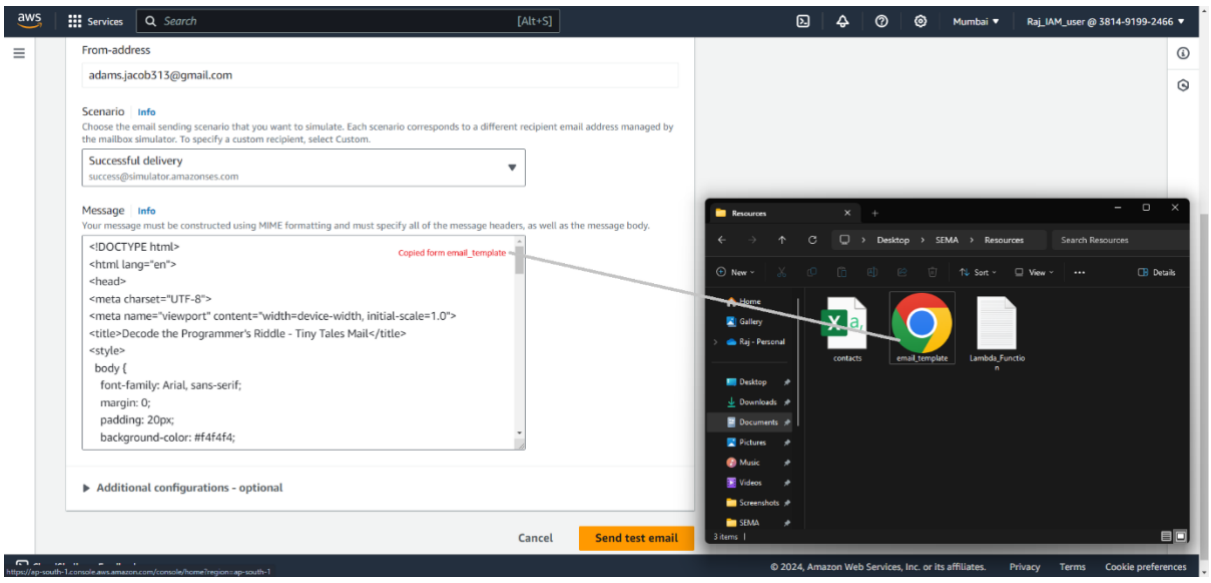


2. A way to send email

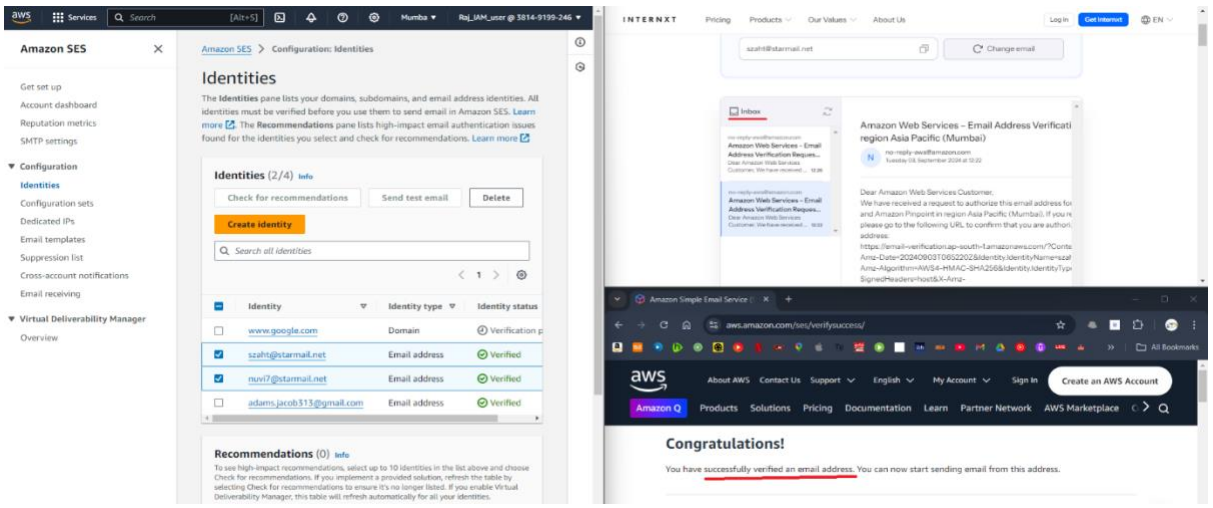
2.1 Setting up Amazon Simple Email Service (SES) with an email address and domain



2.2 Sending a test email using Amazon SES

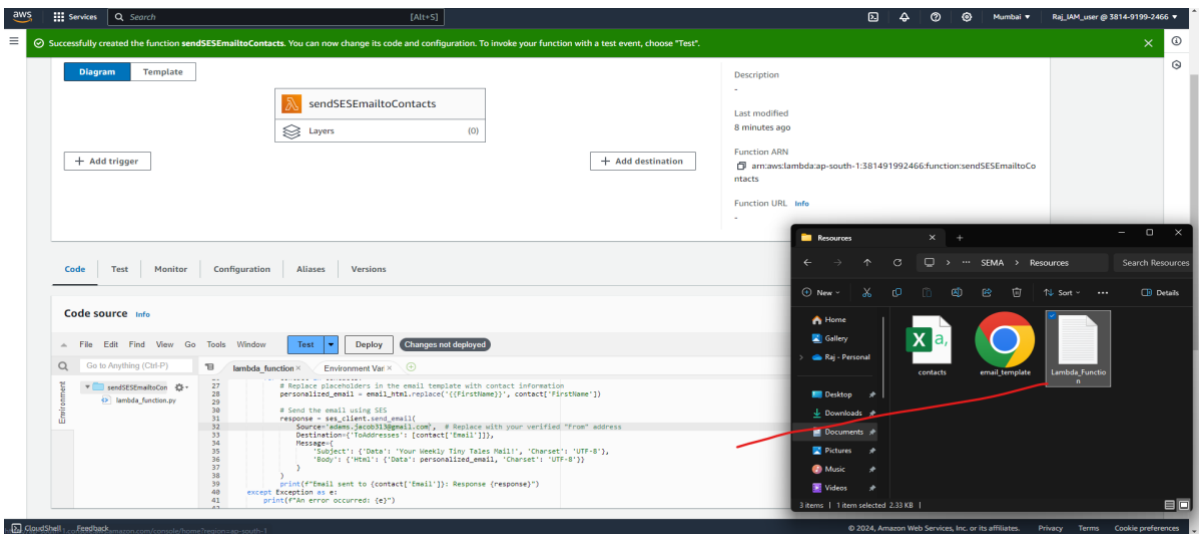


2.3 Valid from and to email address has been added and verified

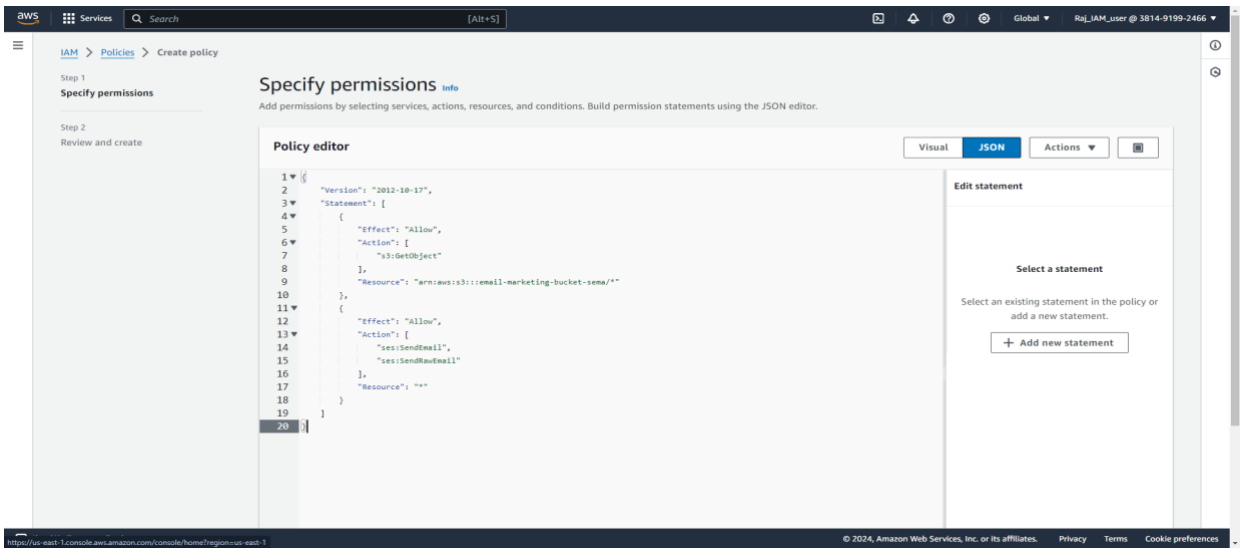


3. A way to merge email template with contacts and send them to email services

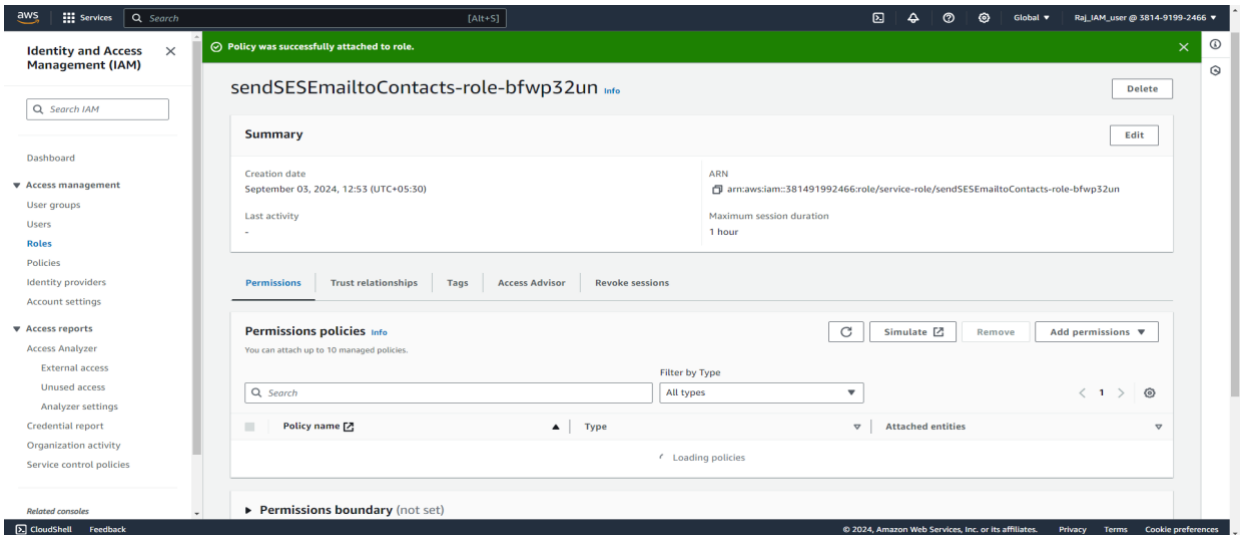
3.1 create lambda fn and copy code form the resources folder



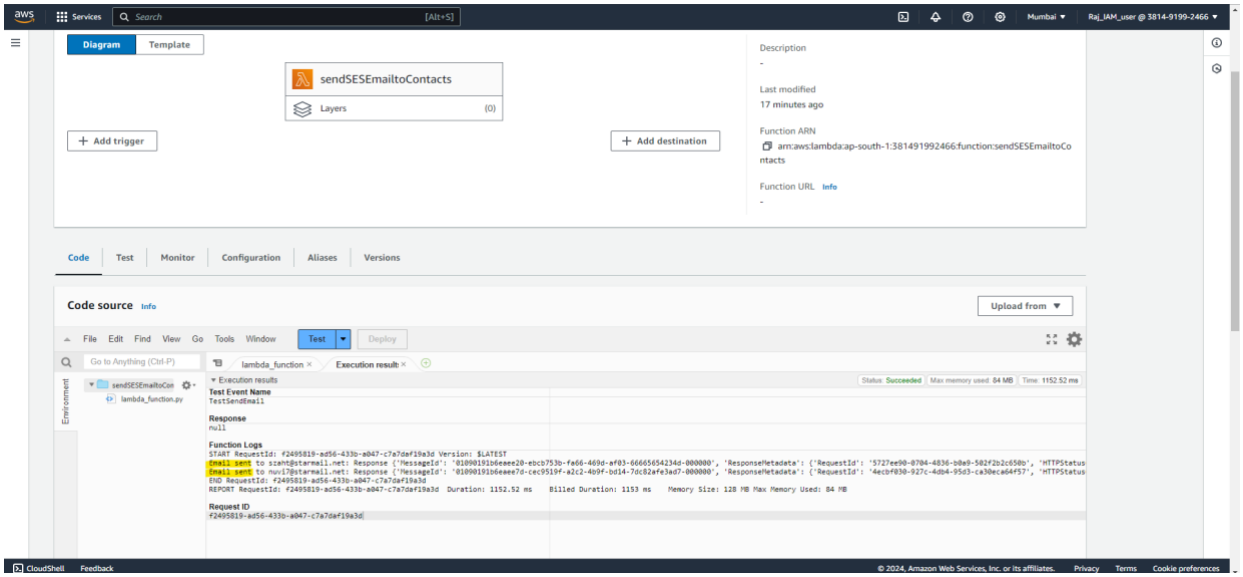
3.2 Creating a new policy with permissions for S3 and SES



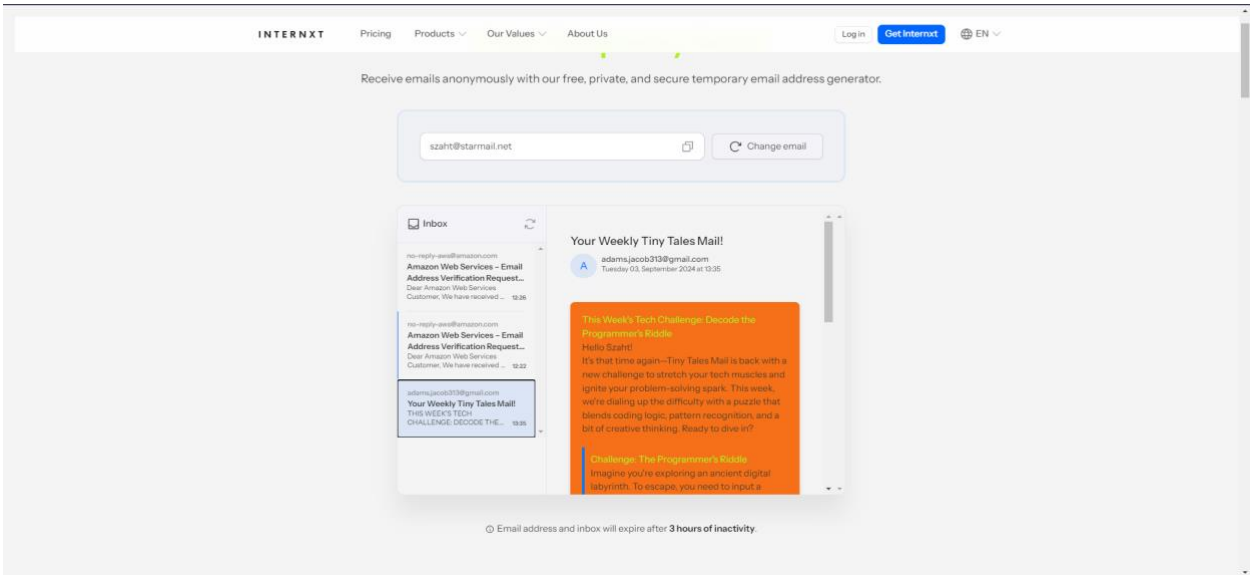
3.3 Attaching the policy to the Lambda execution role



3.4 Testing the Lambda function with updated permissions

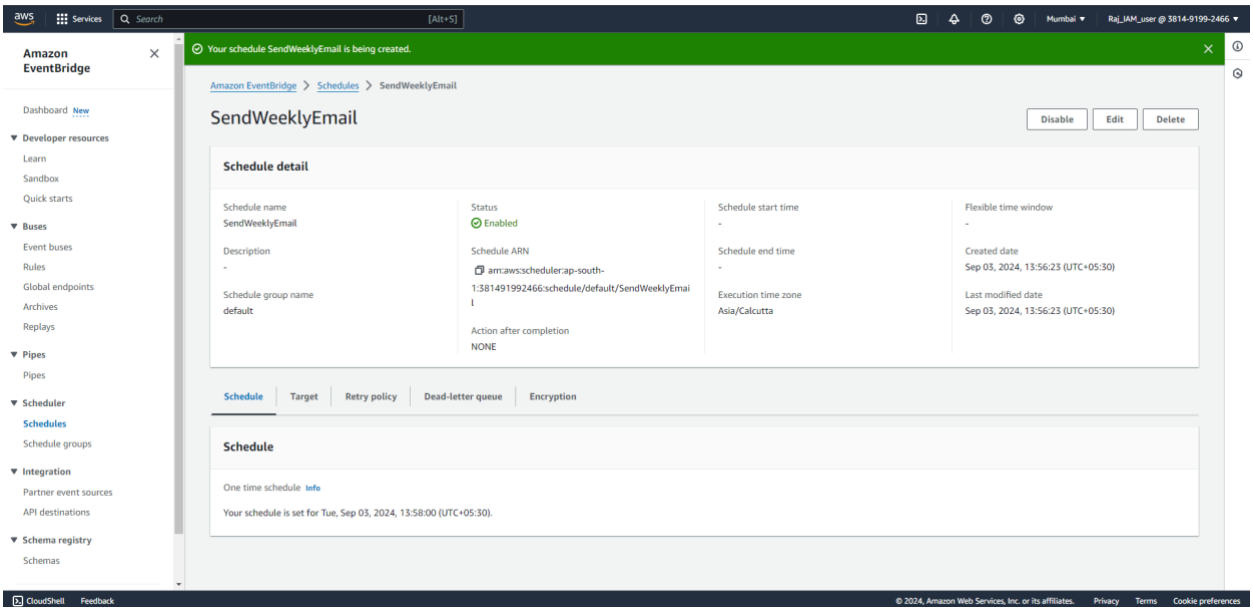


3.5 Email was received successfully

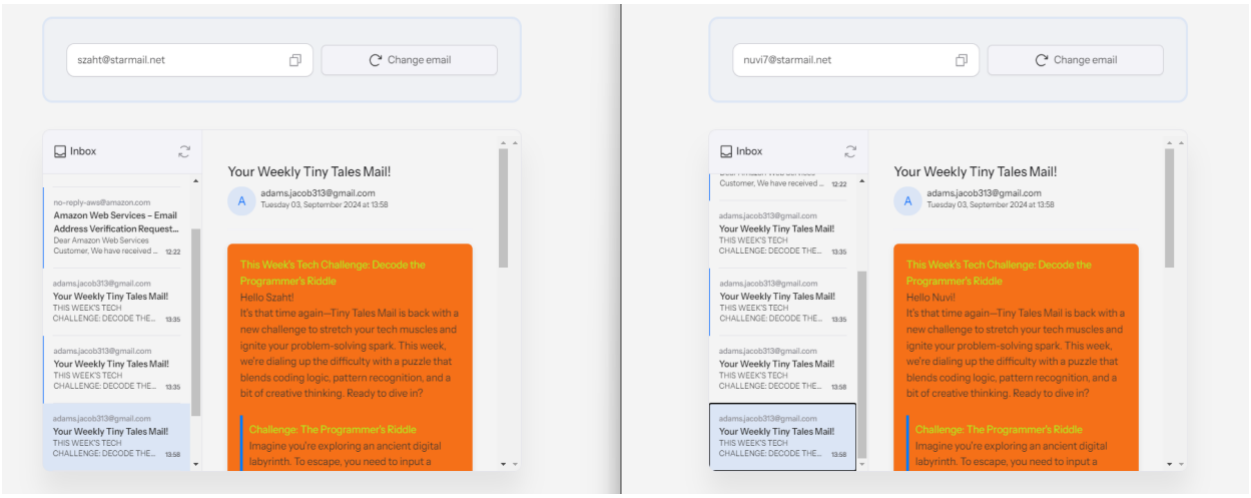


4. Testing the EventBridge schedule for sending emails

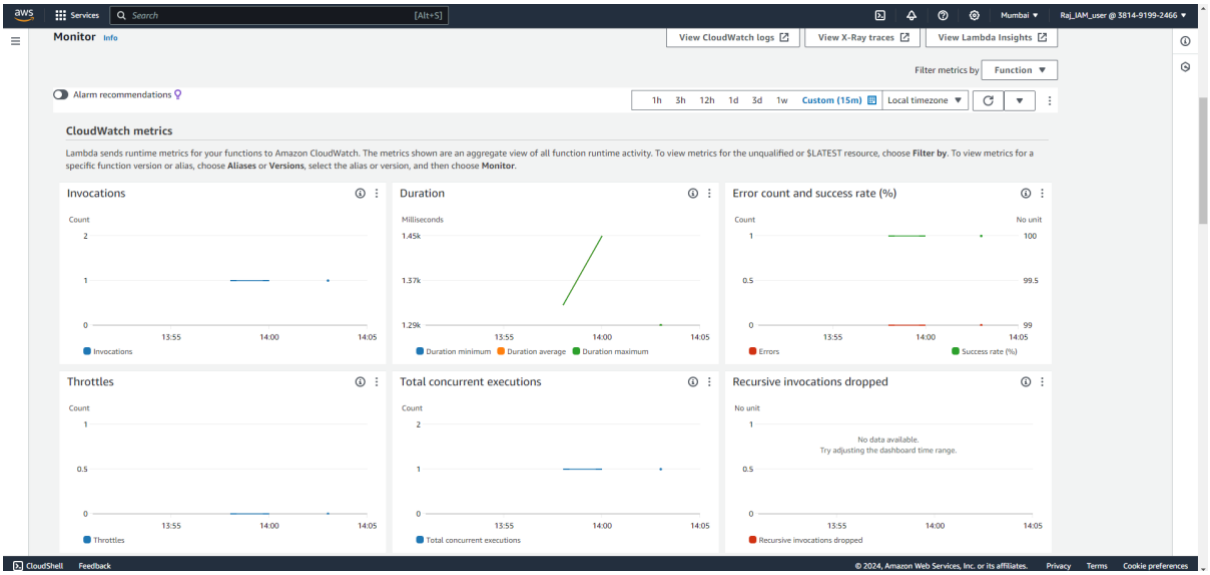
4.1 Event Bridge was created and I have trigged the lambda after few minutes



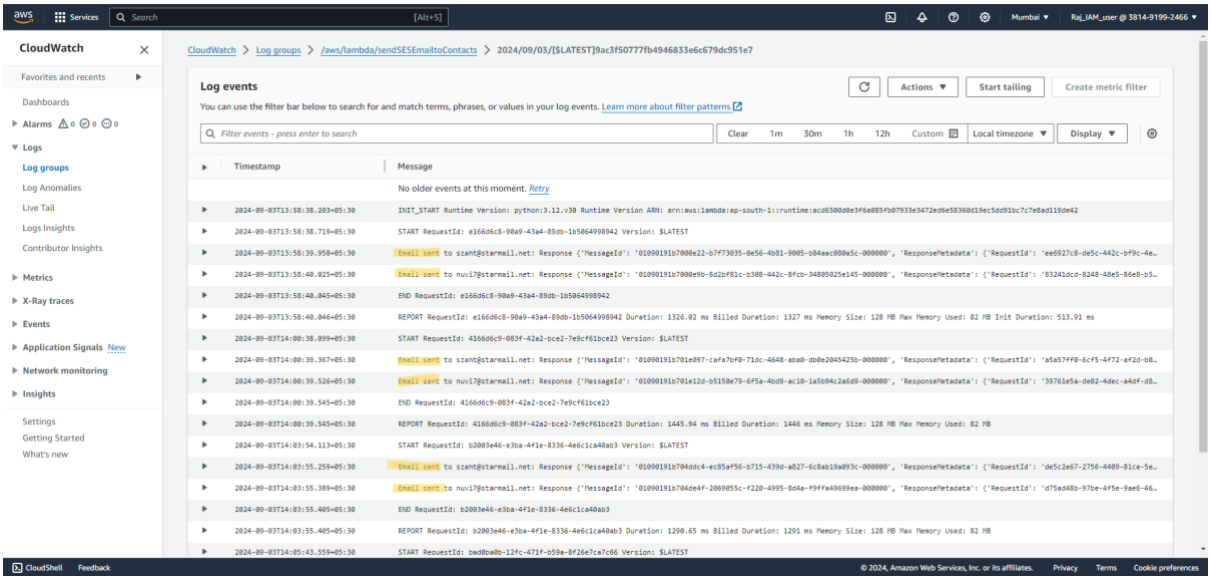
4.2 Event Bridge was successfully invoked lambda function



4.3 Monitoring the lambda Invocation



4.4 CloudWatch log Success Responses



4.5 Serverless Email Marketing Application Architecture: