

# AWS Lambda Web API Deployment Report

## Technologies Used:

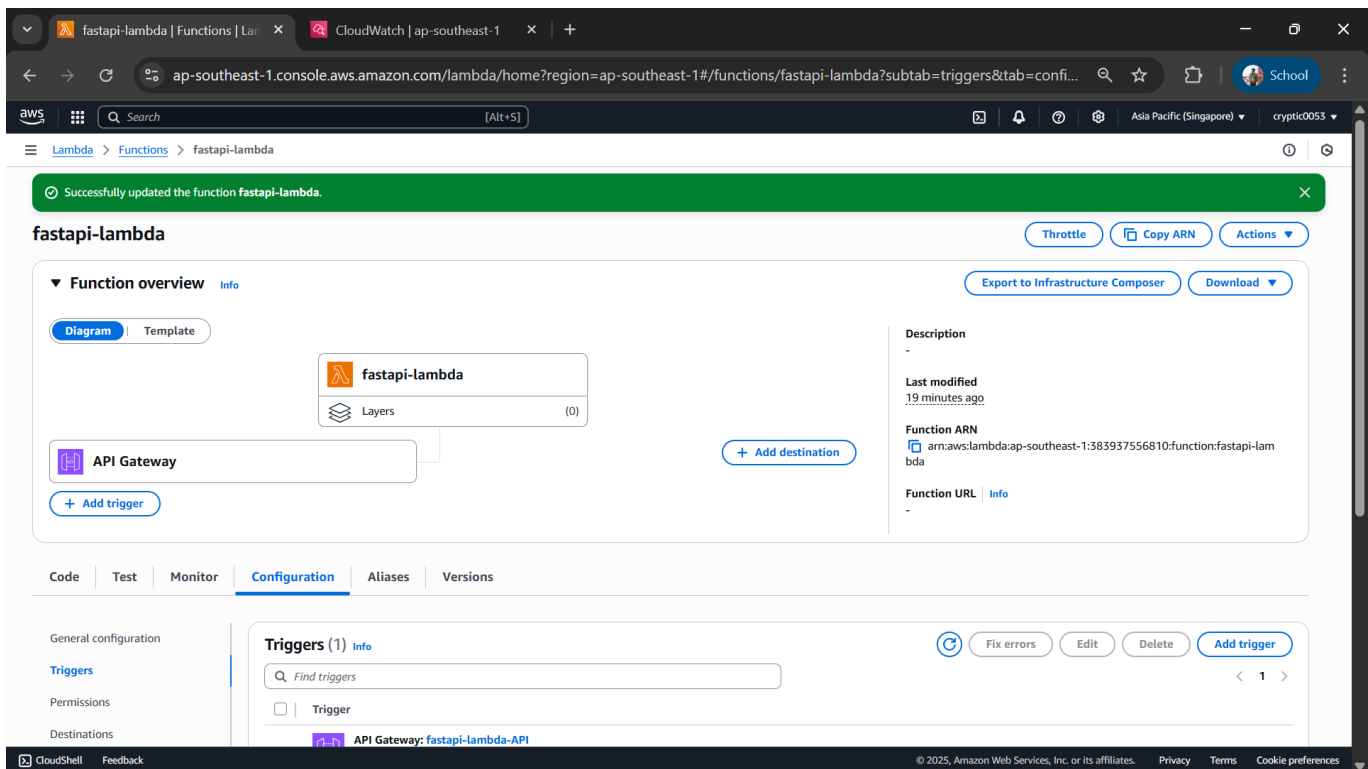
FastAPI served as the foundation for developing the web API and Mangum functioned as the AWS Lambda-compatible adapter. The project was packaged using a Dockerfile and zipped manually for upload. AWS Lambda executed the serverless functions and API Gateway provided HTTP access to the deployed functions. Postman was used for testing the deployed endpoint.

## What I Learned:

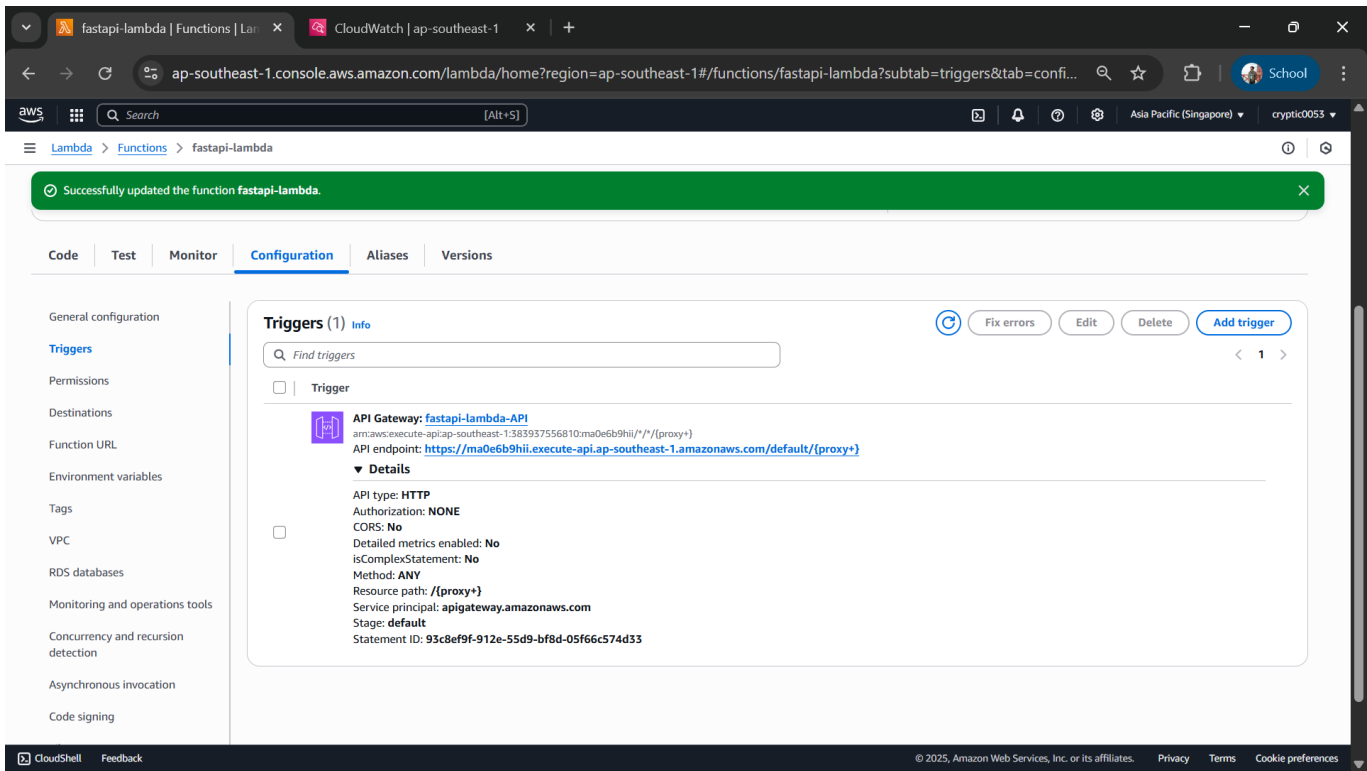
This task helped me understand how to adapt traditional web frameworks like FastAPI for serverless environments. I learned how to containerize and package apps for AWS Lambda, configure triggers via API Gateway, and test endpoints effectively. It gave me practical exposure to deploying and validating real-world APIs in the cloud.

## Screenshots:

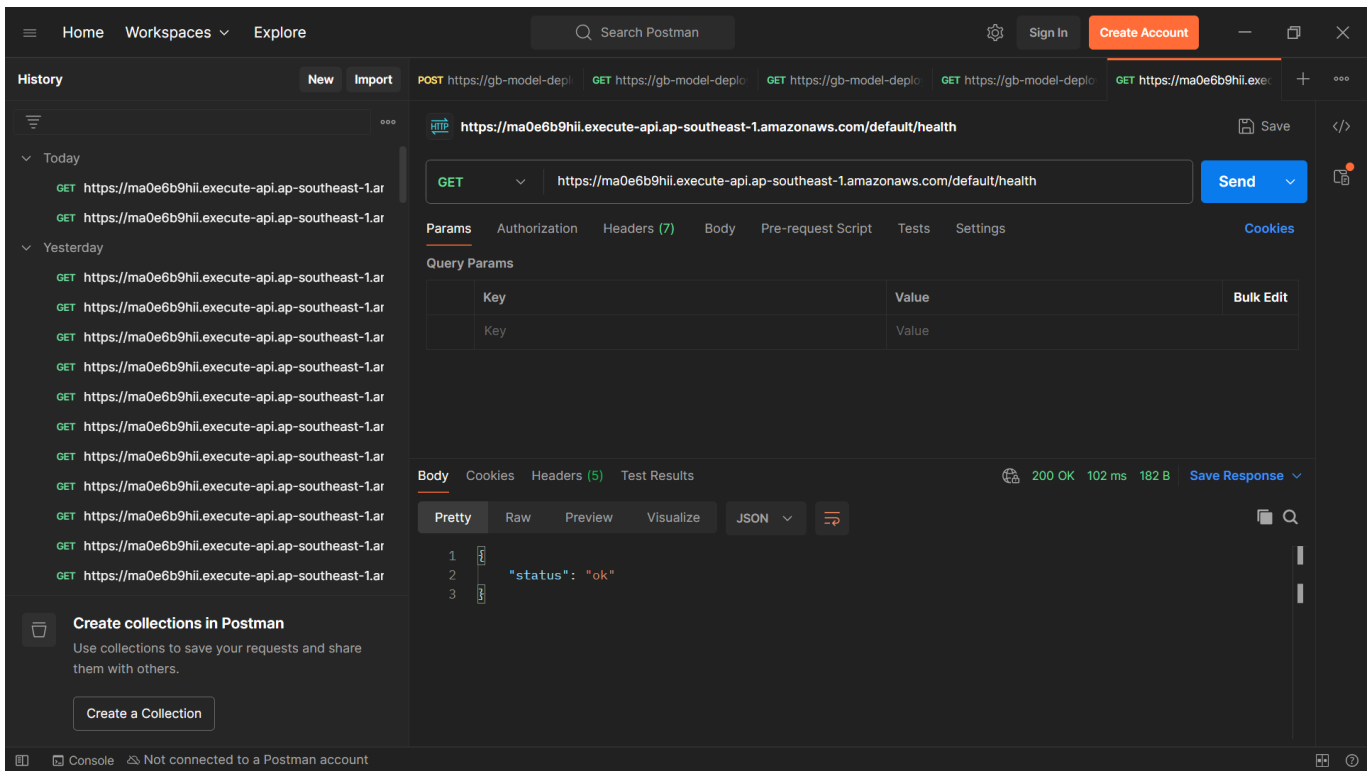
### 1. AWS Lambda Console - Function Overview



### 2. API Gateway Endpoint Configuration



### 3. Successful API Response (/health)



### 4. Successful API Response (/)

