

## Claude Report

### The amount of time you spent

I spent approximately 40-45 minutes interacting with Claude Code."

### Mystery Bug

In this system, Lambda deployed successfully and returns a valid Function URL, but requests to the endpoint (for example /albums) return a 403 Forbidden response. This could indicate that the request is being blocked before the Lambda function logic is executed. Even though the Function URL exists, it is not actually reachable by unauthenticated requests.

Using Claude Code to inspect the Makefile and AWS configuration showed that the Function URL permissions and/or authorization mode are misconfigured. The Lambda Function URL appears to require authorization (such as AWS\_IAM) or lacks proper public permission, which causes curl requests to be rejected immediately. This could be why the service "looks deployed" but never responds with application data.

As evidence, CloudWatch logs for the Lambda function (/aws/lambda/album-counter) do not show successful invocations corresponding to the failed curl requests. This indicates the requests never reached the Lambda handler, giving evidence that the failure happens at the Function URL authorization layer rather than inside the Go code.

### .jsonl file

While analyzing the system, I used Claude Code to read the Makefile, inspect the Go source, reason about the Lambda deployment process, and interpret AWS behavior. The attached .jsonl file contains the raw interaction log from Claude Code showing the sequence of questions and analysis used to identify the bug.