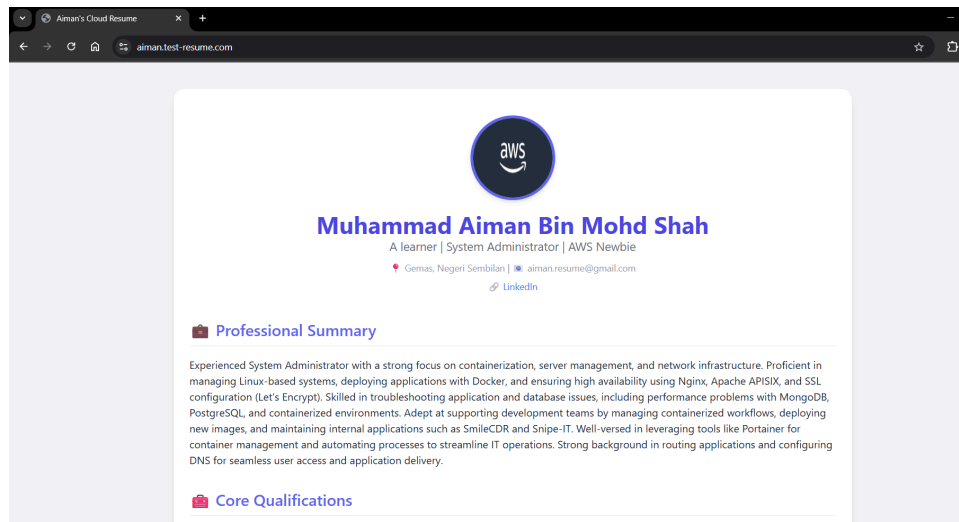


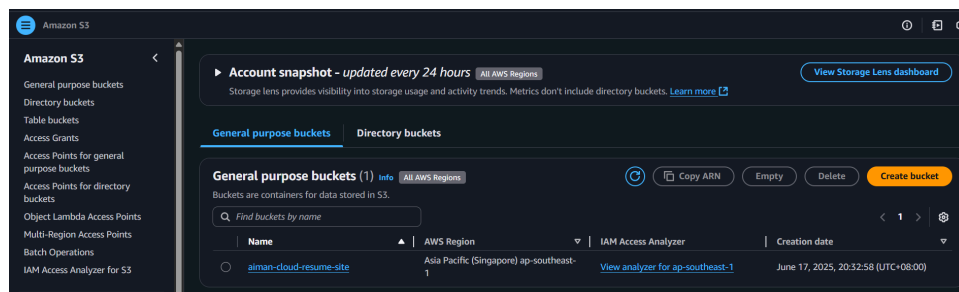
# AWS Cloud Journey (Ongoing Project)

Final Output (www.aiman.test-resume.com)



- Just a static webpage for the sake of hands-on experience of AWS
- Will be exploring more with AWS Services 😊

## S3 Section



## Purpose:

- Acts as the origin host for my resume static website 😊
- Holds the built frontend assets (HTML, CSS, JS) generated from my React + Vite project
- Serves content globally (with help from CloudFront).

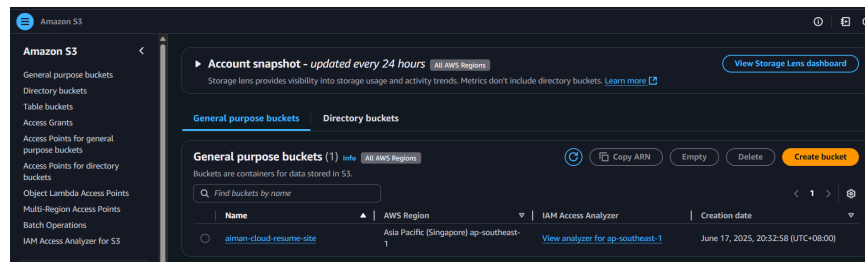


## How It Was Created

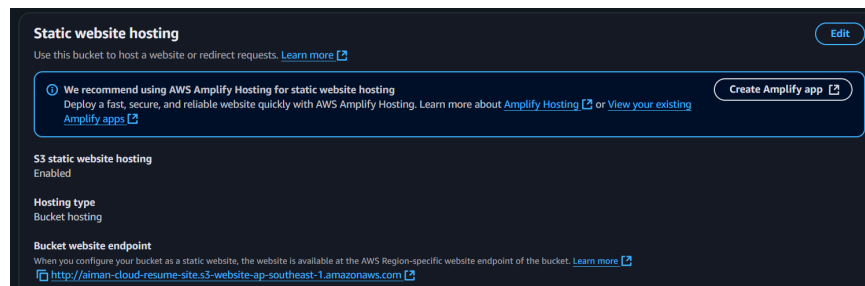
- Outline whether it was made manually or using Terraform.
- Provisioned using Terraform for infrastructure as code (IaC).

Includes:

- Bucket name: `aiman-cloud-resume-site`

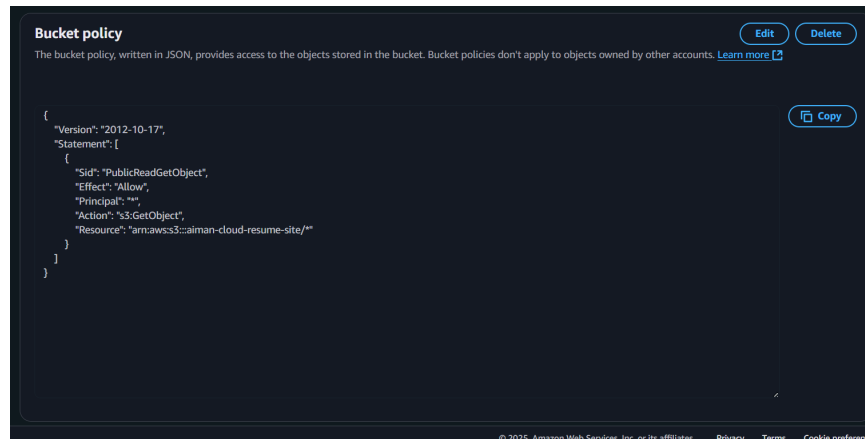


- Enabling static website hosting configuration.



- Public access block disabled.

- S3 bucket policy to allow public reads.

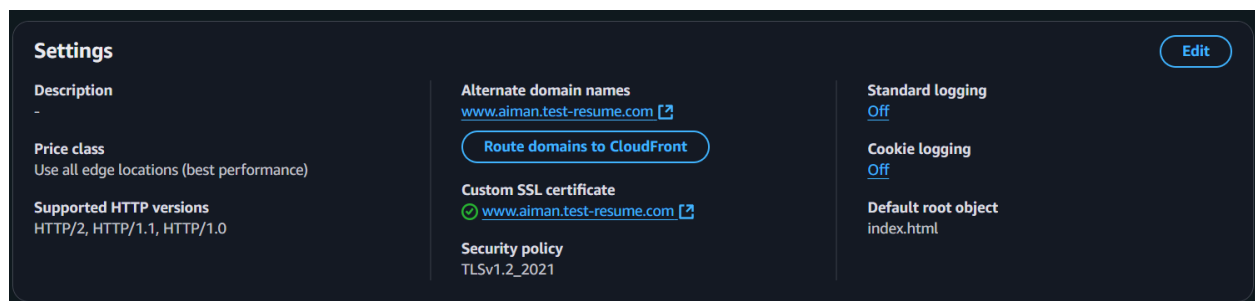


- Applied a bucket policy to allow public **GET** access for static files.
- Command Used:
  - npm run build
  - aws s3 sync ./dist s3://aiman-cloud-resume-site --delete
- This uploads the latest frontend build to S3 and deletes outdated files in the bucket. (Local development >> S3 )

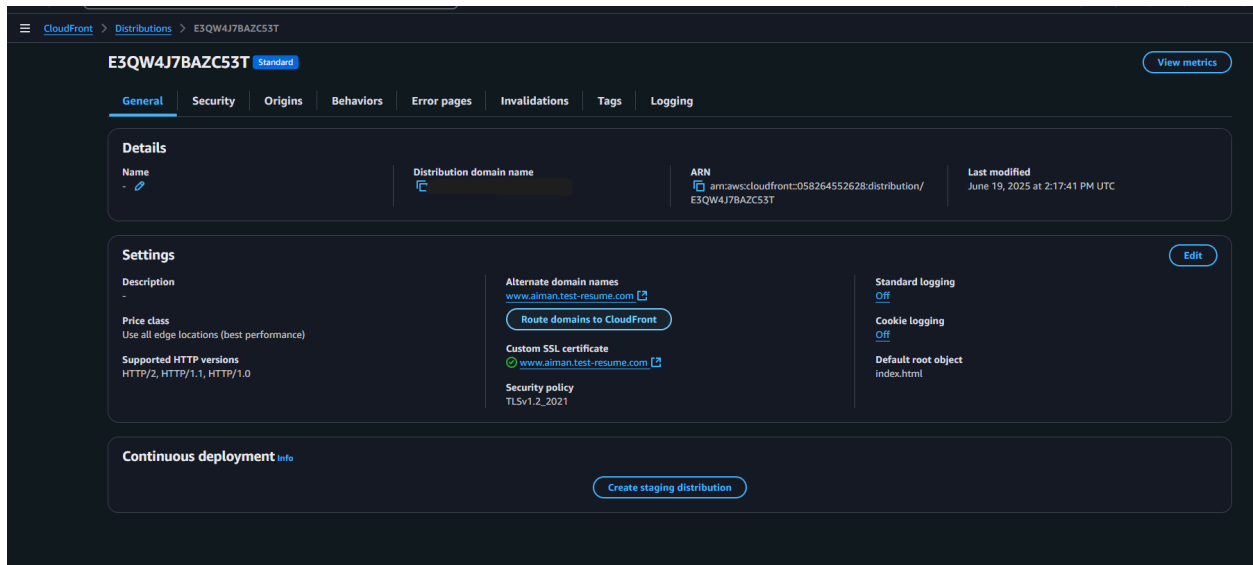
## CloudFront

### Purpose:

- Acts as a CDN to cache and deliver the static site content globally.



- Sits in front of the S3 static website and handles HTTPS traffic.



- S3 bucket endpoint as origin & Redirecting HTTP to HTTPS by CloudFront
- S3 **static website hosting** only supports HTTP.
- So to make the site secure, we **must put CloudFront in front of S3**.

