

The website deployment utilizes several AWS resources

- 1) **S3 Bucket:** Used for storing website assets like HTML, CSS, and JavaScript files.
- 2) **CloudFront Cache:** Facilitates caching of website content for faster delivery to users.
- 3) **CloudFront Distribution:** Distributes website content globally for improved performance and scalability.
- 4) **CloudFront Response Header Policy:** Governs the HTTP headers included in CloudFront responses.

These AWS resources are provisioned using CloudFormation.

Additionally, the GitHub Actions pipeline handles the build and deployment process. It compiles the code, installs dependencies, and transfers the website files to the S3 bucket for hosting.

ARCHITECTURE DIAGRAM:

