Flentas Cloud Engineer Internship - Final Report
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Summary

This repository implements the Cloud Engineer technical assessment using Terraform on AWS. It contair

Each task has a production-ready `main.tf`, `variables.tf` and sample `terraform.tfvars`. Deploy using `de|

Files included

- common-variables.tf : shared variables
- task-01-vpc/... : VPC module
- task-02-ec2-asg-elb/... : Web tier with ALB and ASG
- task-03-rds/... : RDS MySQL in private subnets
- task-04-s3-static-site/... : S3 static website
- task-05-iam-ec2-s3/... : IAM role and policy for EC2 to access S3
- task-06-lambda-apigw/... : Lambda + API Gateway HTTP API
- task-07-cloudwatch-sns/... : CloudWatch alarm + SNS
- task-08-backend-destroy/... : Backend and destroy instructions
- architecture.puml : PlantUML diagram
- deploy.sh : automated deploy script

Cost & Safety

- Use Free Tier eligible instance types (t3.micro/t2.micro).
- NAT Gateway and RDS may incur charges; destroy resources after testing.
- Always run `terraform plan` before `apply`.

Screenshot Guide

For each task capture:
- Console view showing resource IDs and statuses
- Terraform apply outputs
- Working endpoint for ALB/S3/API Gateway
- Confirmed SNS subscription email (CloudWatch alerts)