Creating Container Apps Environment using Terraform

```hcl
resource "azurerm_resource_group" "rg" {
  name     = "rg-containerapps-terraform"
  location = "westeurope"
}

resource "azurerm_log_analytics_workspace" "workspace" {
  name                = "workspace-aca"
  location            = azurerm_resource_group.rg.location
  resource_group_name = azurerm_resource_group.rg.name
  sku                 = "PerGB2018"
  retention_in_days   = 30
}

resource "azurerm_container_app_environment" "aca_environment" {
  name                       = "aca-environment"
  location                   = azurerm_resource_group.rg.location
  resource_group_name        = azurerm_resource_group.rg.name
  log_analytics_workspace_id = azurerm_log_analytics_workspace.workspace.id
}
```

Creating Container Apps using Terraform

```hcl
resource "azurerm_container_app" "aca" {
  name                          = "aca-app-demo"
  container_app_environment_id =
azurerm_container_app_environment.aca_environment.id
  resource_group_name           = azurerm_resource_group.rg.name
  revision_mode                 = "Single"

  template {
    container {
      name    = "helloworld-app"
      image   = "mcr.microsoft.com/azuredocs/containerapps-helloworld:latest"
      cpu     = 0.25
      memory  = "0.5Gi"
    }
  }

  ingress {
    allow_insecure_connections = false
    external_enabled           = true
    target_port                = 80
    transport                  = "auto"

    traffic_weight {
      latest_revision = true
      percentage      = 100
    }
  }
}
```

Demo

Deploying backend & frontend in Container Apps using Terraform

www
User

Container Apps - frontend   port: 3000

→ env-vars: API_URL

Container Apps - Backend   port: 3500

https://github.com/HoussemDellai/aca-course/tree/main/04_create_aca_apps_terraform