Deployment Steps

* .env file (no spaces)
* Create a requirements.txt
* Create a Dockerfile in repo root

(capital D)

* Create a new Github repo
* Push all to Github (make sure you have a .env file)
* Go to google cloud and create a project
* gcloud init
* gcloud config set project YOUR\_PROJECT\_ID

(build) add billing

* gcloud services enable run.googleapis.com
* gcloud services enable cloudbuild.googleapis.com

(Deploy container)

* gcloud builds submit --tag gcr.io/YOUR\_PROJECT\_ID/ai-business-assistant
* gcloud run deploy ai-business-assistant \

--image gcr.io/YOUR\_PROJECT\_ID/ai-business-assistant \

--platform managed \

--region us-central1 \

--allow-unauthenticated

* Create a Github actions workflow file at .github/workflows/deploy.yml:

name: Deploy to Cloud Run

on:

push:

branches: [ main ] # Adjust if using a different branch

jobs:

build-and-deploy:

runs-on: ubuntu-latest

steps:

# Checkout the repo

- uses: actions/checkout@v3

# Set up Cloud SDK

- uses: google-github-actions/setup-gcloud@v1

with:

project\_id: ${{ secrets.GCP\_PROJECT\_ID }}

service\_account\_key: ${{ secrets.GCP\_SA\_KEY }}

export\_default\_credentials: true

# Build the Docker image and push it to Google Container Registry

- name: Build and push Docker image

run: |

IMAGE=gcr.io/${{ secrets.GCP\_PROJECT\_ID }}/ai-business-assistant

gcloud builds submit --tag $IMAGE

# Deploy to Cloud Run

- name: Deploy to Cloud Run

run: |

IMAGE=gcr.io/${{ secrets.GCP\_PROJECT\_ID }}/ai-business-assistant

gcloud run deploy ai-business-assistant \

--image $IMAGE \

--platform managed \

--region us-central1 \

--allow-unauthenticated

Set up github secrets

* In your GitHub repo settings, add the following secrets:
* • GCP\_PROJECT\_ID – Your Google Cloud project ID.
* • GCP\_SA\_KEY – The JSON key for a service account that has permission to deploy to Cloud Run (create one in the GCP Console and download the JSON file; then copy its contents).

BASE64 for something also