Go to GitHub 🡪 Click your profile image in the upper-right 🡪 Settings 🡪 Developer Settings 🡪 Personal access tokens and create a new token with the scope of repo, at least.

In your virtual environment, export your token credentials

export GITHUB\_USERNAME="your\_username"

export GITHUB\_ACCESS\_TOKEN="your\_access\_token"

Create python file to generate list of repos in descending order based on the most recent commit

Create Dockerfile

Create requirements.txt

Flask

Requests

Create app.py

Create a new directory named templates in the project directory. Inside the templates directory, create a new file named index.html

Build the Docker image by running the following command in the project directory:

docker build -t repo-visualizer .

Run the Docker container by executing the following command:

docker run -p 8000:8000 repo-visualizer

docker run -p 8000:8000 --network=bridge repo-visualizer

This command starts the container and forwards the container's port 8000 to the host's port 8000, allowing you to access the web app at http://localhost:8000.

Grafana

Sign up online

Choose create a dashboard

Add GitHub connection

Run Grafana agent

Create token

brew install grafana-agent

ARCH="amd64" GCLOUD\_HOSTED\_METRICS\_URL="https://prometheus-prod-13-prod-us-east-0.grafana.net/api/prom/push" GCLOUD\_HOSTED\_METRICS\_ID="1200150" GCLOUD\_SCRAPE\_INTERVAL="60s" GCLOUD\_HOSTED\_LOGS\_URL="https://logs-prod-006.grafana.net/loki/api/v1/push" GCLOUD\_HOSTED\_LOGS\_ID="699150" GCLOUD\_RW\_API\_KEY="glc\_eyJvIjoiOTQ5OTIyIiwibiI6ImRldm9wc2Rhc2hib2FyZDIiLCJrIjoibTlpRjYyT0Y5STA2MDk2TEVETTJXTmduIiwibSI6eyJyIjoicHJvZC11cy1lYXN0LTAifX0=" /bin/sh -c "$(curl -fsSL <https://storage.googleapis.com/cloud-onboarding/agent/scripts/grafanacloud-install-darwin.sh>)"

brew services start grafana-agent

This will also configure the Grafana Agent to run when your system restarts.

To remove it as a system service, run the following command

brew services stop grafana-agent

Note that when changing the configuration file for the Grafana Agent, you will need to restart the service.

To do so, you may run

brew services restart grafana-agent

test agent connection

proceed to install integration