

Parte 1: GITHUB

Pasos:

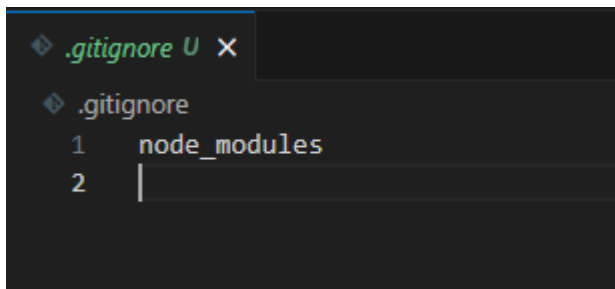
1. Crear un repositorio en GitHub:

- https://github.com/Aferebay/MF0493_Jose_Ceballos

2. Configurar Git en el proyecto local:

```
C:\Users\W10\Desktop\MF0493_Jose_Ceballos>git init
```

3. Crear un archivo .gitignore:



The screenshot shows a code editor with a file named .gitignore. The content of the file is as follows:

```
.gitignore
1  node_modules
2  |
```

4. Añadir todos los archivos al repositorio local:

```
C:\Users\W10\Desktop\MF0493_Jose_Ceballos>git add .
```

5. Realizar el commit inicial:

```
C:\Users\W10\Desktop\MF0493_Jose_Ceballos>git commit -m "first commit"
[main be6c431] first commit
1 file changed, 2 insertions(+)
```

6. Vincular el repositorio local con GitHub:

```
C:\Users\W10\Desktop\MF0493_Jose_Ceballos>git remote add origin git@github.com:Aferebay/MF0493_Jose_Ceballos.git
```

7. Subir los cambios a GitHub:

```
C:\Users\W10\Desktop\MF0493_Jose_Ceballos>git push
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 301 bytes | 301.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
```

Enlace al repositorio de GitHub:

https://github.com/Aferebay/MF0493_Jose_Ceballos

Parte 2: DOCKER Y DOCKERHUB

Pasos:

1. Crear el archivo Dockerfile:

2. Escribir el Dockerfile:

```
Dockerfile U X
Dockerfile > ...
1  # Utilizar una versión LTS específica de Node.js (alpine para una imagen más ligera)
2  FROM node:18-alpine
3
4  # Información de mantenimiento
5  LABEL maintainer="Jose Ceballos"
6
7  # Establecer el directorio de trabajo
8  WORKDIR /app
9
10 # Copiar los archivos de dependencias
11 COPY package*.json ./
12
13 # Instalar solo las dependencias de producción
14 RUN npm install --production
15
16 # Copiar el resto de la aplicación
17 COPY . .
18
19 # Exponer el puerto en el que la aplicación se ejecuta
20 EXPOSE 8000
21
```

3. Crear el archivo .dockerignore:

```
.dockerignore U X
.dockerignore
1  node_modules
2  npm-debug.log
```

4. Crear el archivo docker-compose.yml:

```
docker-compose.yml U X
docker-compose.yml
1  version: '3'
2  services:
3    app:
4      build: .
5      ports:
6        - "8000:8000"
7      command: node src/index.js
8
```

5. Construir y ejecutar el contenedor:

```
C:\Users\W10\Desktop\VF0493_Jose_Ceballos>docker build -t practica_final_ceballos -f src/Dockerfile .
[+] Building 37.2s (11/11) FINISHED
=> [internal] load definition from Dockerfile
=> => transferring dockerfile: 712B
=> [internal] load metadata for docker.io/library/node:22
=> [auth] library/node:pull token for registry-1.docker.io
=> [internal] load .dockerignore
=> => transferring context: 2B
=> [1/5] FROM docker.io/library/node:22@sha256:5c76d05034644fa8ecc9c2aa84e0a83cd981d0ef13af5455b87b9adf5b216561
=> => resolve docker.io/library/node:22@sha256:5c76d05034644fa8ecc9c2aa84e0a83cd981d0ef13af5455b87b9adf5b216561
=> => sha256:da98da6479ce5625b33537a26cf832d56e7ea60651ccb5968a4ded3cb813e5a7 6.52kB / 6.52kB
=> => sha256:52c4629a495268c7cd183d4f2ed4ed003421d8cfdce5e49bd829e07ea161e725 3.32kB / 3.32kB
=> => sha256:5c76d05034644fa8ecc9c2aa84e0a83cd981d0ef13af5455b87b9adf5b216561 6.41kB / 6.41kB
=> => sha256:845c1a005d6cf1cc97e9b949372448dd250ad5f221830788ad76fda3fbd1bd8a 2.49kB / 2.49kB
=> => extracting sha256:52c4629a495268c7cd183d4f2ed4ed003421d8cfdce5e49bd829e07ea161e725
=> => sha256:613080a901bda91cd5d4964ad0a82a3d52d455663ab2c22ebded9d08da7e25c8 54.61MB / 54.61MB
=> => sha256:4b9a7226ebd1696f6fa7b0c98aa7857770ad77373cbbada979a6975d29d5f90d 1.25MB / 1.25MB
=> => sha256:22496bd6ed1beb11b73e005e295874fae0231e98e60289a5e82ca92d0b4997ca 446B / 446B
=> => extracting sha256:613080a901bda91cd5d4964ad0a82a3d52d455663ab2c22ebded9d08da7e25c8
=> => extracting sha256:4b9a7226ebd1696f6fa7b0c98aa7857770ad77373cbbada979a6975d29d5f90d
=> => extracting sha256:22496bd6ed1beb11b73e005e295874fae0231e98e60289a5e82ca92d0b4997ca
=> [internal] load build context
=> => transferring context: 2.30MB
=> [2/5] WORKDIR /app
=> [3/5] COPY package*.json ./
```

6. Iniciar sesión en Docker Hub desde la terminal

```
C:\Users\W10\Desktop\MF0493_Jose_Ceballos>docker login
Authenticating with existing credentials...
Login Succeeded
```

7. Etiqueta la imagen Docker

```
C:\Users\W10\Desktop\MF0493_Jose_Ceballos>docker tag practica_final_ceballos:latest joseceballos/practica_final_ceballos:latest
```

8. Verificar que la imagen esté etiquetada correctamente

```
C:\Users\W10\Desktop\MF0493_Jose_Ceballos>docker images
REPOSITORY              TAG          IMAGE ID      CREATED        SIZE
joseceballos/practica_final_ceballos  latest      0bf75efd1942  About an hour ago  132MB
```

9. subir la imagen

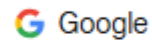
```
C:\Users\W10\Desktop\MF0493_Jose_Ceballos>docker push antonyfer/practica_final_ceballos:latest
The push refers to repository [docker.io/antonyfer/practica_final_ceballos]
0a6dd9d5e947: Pushed
73f771184362: Pushed
01348ed955fd: Pushed
b14a9c856bd6: Pushed
632563109df7: Pushed
aae2f82b308d: Pushed
5003e477a3c5: Pushed
83ada9b02fd6: Pushed
75654b8eeebd: Pushed
latest: digest: sha256:ddb4af823c1a31278abebff6e54d9480f2364b80ca540de8c62d353e15b9eabb size: 2202
```

Parte 3: DESPLIEGUE EN RENDER.COM

Pasos:

1. Crear una cuenta en Render.com:
<https://dashboard.render.com/register>

Create an account



or

Email

your@email.com

Password

correct horse battery staple

Create Account

2. Conectar el repositorio de GitHub:

Git Provider

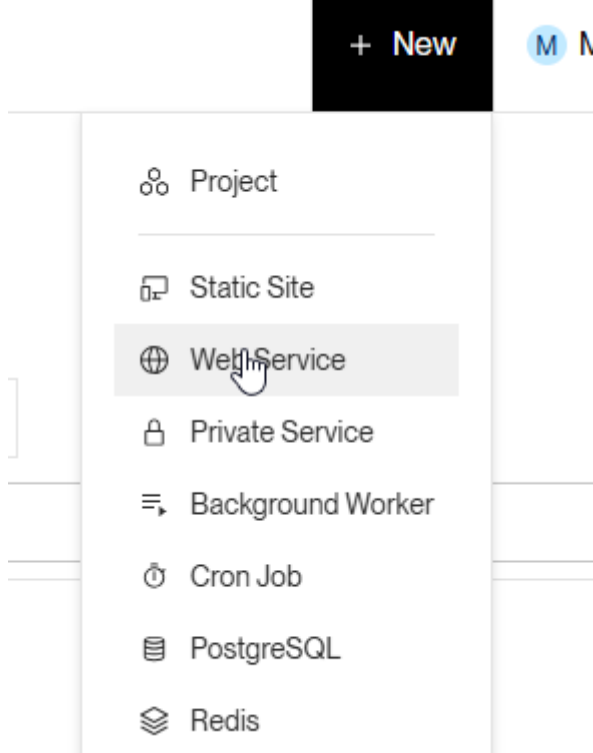
Public Git Repository

Connect Git provider

Connect your Git provider to deploy from your existing repos.



3. Seleccionar Web Service



4. Seleccionar el repositorio a desplegar:

Git Provider Public Git Repository Existing Image

Q Search

Credentials (1) ▾

🔗 Aferebay / MF0493_Jose_Ceballos 11h ago ✓

Connect →

5. Configurar el servicio:

You are deploying a Web Service

You seem to be using **Docker**, so we've autofilled some fields accordingly. Make sure the values look right to you!

Source Code

🔗 Aferebay / MF0493_Jose_Ceballos • 11h ago Edit

Name

A unique name for your web service.

Jose_Ceballos-game

Project Optional

Add this web service to a [project](#) once it's created.

Create a new project to add this to?

You don't have any projects in this workspace. [Create](#) allows you to create a

6. Configurar el entorno:

You are deploying a Static Site

Source Code

Aferebay / MF0493_Jose_Ceballos • 11h ago

Edit

Name

A unique name for your static site.

MF0493_Jose_Ceballos

Project Optional

Add this static site to a [project](#) once it's created.

🔍

7. Haceral despliegue:

Aferebay / MF0493_Jose_Ceballos main

<https://jose-ceballos-game.onrender.com>

Events

Logs

Disks

Environment

Shell

Previews

ⓘ Your free instance will spin down with inactivity, which can delay requests by 50 seconds or more. [Upgrade now](#)

✓

Deploy live for `ecd32e3`: update

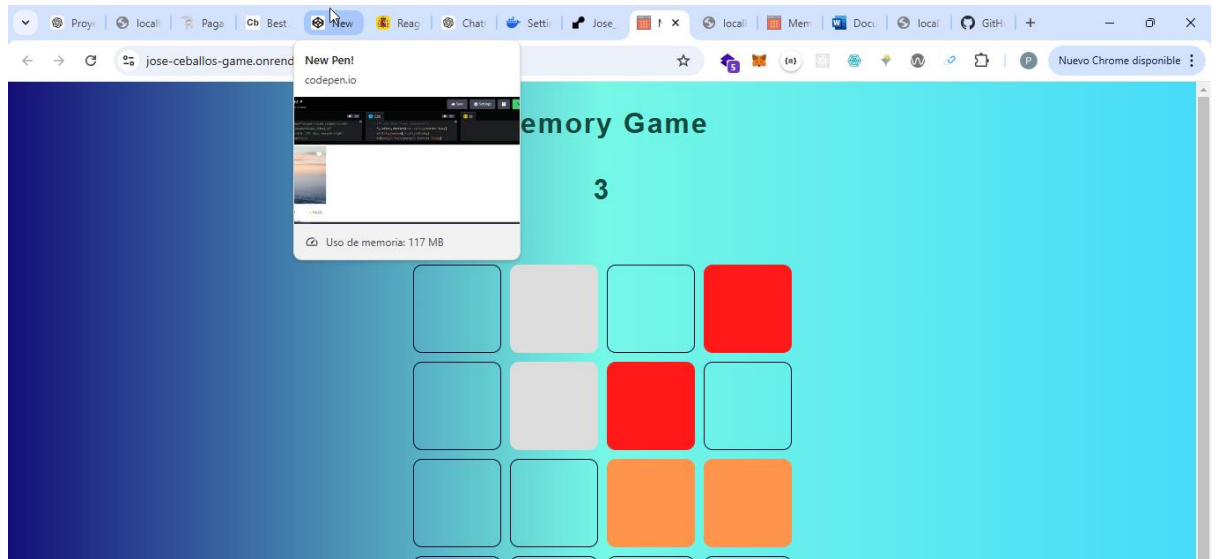
November 21, 2024 at 8:53 AM

⬆

First **deploy** started for `ecd32e3`: update

November 21, 2024 at 8:53 AM

8. Verificar el despliegue:



9. URL Render:

<https://jose-ceballos-game.onrender.com/>

• Enlaces:

- Docker Hub
antonyfer/practica_final_ceballos:latest
- GitHub
https://github.com/Aferebay/MF0493_Jose_Ceballos/
- Render con GitHub
- <https://jose-ceballos-game.onrender.com/>
- Render con Docker
<https://jose-ceballos-fernandez-game.onrender.com/>