Deployment Steps

Setup Postgres DB Service

1. Login into [Render Dashboard](#) . Select **PostgresSQL** from **New** drop down menu.

2. Specify
   a. Name of PostgresSQL instance - "**Climate-Chic-DB**"
   b. Database – **climatechicdb**
   c. User – **vn1**
   d. Select nearest region – **Frankfurt**(EU Central)
   e. Make sure Postgres version is **16**
   f. Select Instance Type as **Free**
   g. Click on "**Create Database**" button

3. PostgresSQL service will start in some time. Click on **Connect** drop down menu and from **Internal** tab copy **Internal Database URL**

Setup Django Web Service

1. **Requirement.txt** in github repo (https://github.com/Irenetitor/climatechic-project/blob/main/requirements.txt) mentions package dependencies needed by render.com and build.sh (https://github.com/Irenetitor/climatechic-project/blob/main/build.sh) script mentions build commands before starting server

2. In Render.com, after login into dashboard select **Web service** from **New** drop down menu.

3. Select option – Build and deploy from git repository and click next
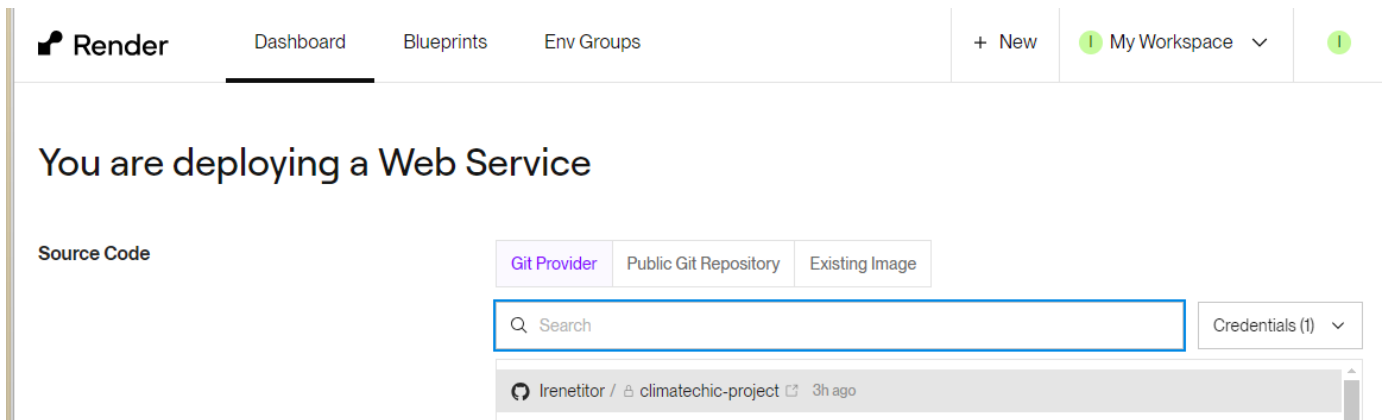
4. **Connect** with gitrepo https://github.com/Irenetitor/climatechic-project

5. Specify
   a. Name for web service instance – **climatechic-project**
   b. Select nearest region – **Frankfurt(EU Central)**
   c. Branch for repo as **main**
   d. Keep Runtime as **Python 3**
   e. Build comment as $ **./build.sh**
   f. Start command as $ **gunicorn climatechic.asgi:application -k uvicorn.workers.UvicornWorker**
   g. Select Instance Type as **Free**
   h. **IMPORTANT – Mention Environment variable DATABASE_URL as copied Internal Database URL for deployed PostgresSQL service before while setup of PostgresSQL database.**

   Set Environment Variables:

   > **SECRET_KEY**=<Secret Keys>
   > **WEATHER_API_KEY**=<Secret API Keys>
   > **PRODUCT_API_KEY**=<Secret product API Keys>
   > **DEBUG**=True
   > **ALLOWED_HOSTS=**127.0.0.1, climatechic-project.onrender.com
   > **DATABASE_URL**=<Copied Internal DB url>
   > **EMAIL_HOST_USER**=<Admin account gmail email id>
   > **EMAIL_HOST_PASSWORD** = <Gmail App password>

climatechic-project Python 3 Starter

Connect ⌄   **Manual Deploy**

⌂ Irenetitor / climatechic-project   ⌕ main

https://climatechic-project.onrender.com ⎘

Events
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Environment

Environment Variables

↪ Create environment group

Set environment-specific config and secrets (such as API keys), then read those values from your code. Learn more.

Key	Value	
ALLOWED_HOSTS	············	👁
DATABASE_URL	············	👁
DEBUG	············	👁
EMAIL_HOST_PASSWORD	············	👁
EMAIL_HOST_USER	············	👁
PRODUCT_API_KEY	············	👁
SECRET_KEY	············	👁
WEATHER_API_KEY	············	👁

   i.   Click on **Create Web Service** button