wamie\_tech\_portfolio/

│── app/

│ ├── templates/

│ │ ├── auth/

│ │ │ ├── admin\_login.html

│ │ │ ├── login.html

│ │ │ ├── request\_reset.html

│ │ │ ├── resend\_verification.html

│ │ │ ├── reset\_password.html

│ │ │ ├── signup.html

│ │ │ ├── verify\_email.html

│ │ ├── admin/

│ │ │ ├── admin\_dashboard.html

│ │ │ ├── manage\_projects.html

│ │ │ ├── manage\_services.html

│ │ │ ├── manage\_teams.html

│ │ │ ├── manage\_testimonials.html

│ │ │ ├── manage\_users.html

│ │ ├── main/

│ │ │ ├── about.html

│ │ │ ├── base.html

│ │ │ ├── contacts.html

│ │ │ ├── help.html

│ │ │ ├── index.html

│ │ │ ├── projects.html

│ │ │ ├── services.html

│ │ │ ├── team.html

│ │ │ ├── testimonials.html

│ │ ├── user/

│ │ │ ├── user\_dashboard.html

│ ├── routes/

│ │ ├── \_\_init\_\_.py

│ │ ├── auth.py

│ │ ├── admin.py

│ │ ├── main.py

│ │ ├── user.py

│ ├── static/

│ │ ├── css/

│ │ │ ├── base.css

│ │ │ ├── index.css

│ │ │ ├── colors.css

│ │ │ ├── admin.css

│ │ │ ├── auth.css

│ │ │ ├── dashboard.css

│ │ │ ├── responsive.css

│ │ ├── js/

│ │ │ ├── script.js

│ │ ├── images/

│ ├── utils/

│ │ ├── \_\_init\_\_.py

│ │ ├── helpers.py

│ ├── queries/

│ ├── config.py

│ ├── database.py

│ ├── email\_config.py

│ ├── \_\_init\_\_.py

├── static/

├── .env

├── create\_tables\_query.sql

├── run.py

├── wsgi.py

Plan **🚀 Step-by-Step Hosting & Deployment Plan**

**🔹 Step 1: Set Up Hosting on PythonAnywhere**

1. **Log in to PythonAnywhere**
   * Go to [PythonAnywhere](https://www.pythonanywhere.com/) and sign in.
   * If you haven’t already, create a **new web app**.
2. **Upload Your Project Files**
   * Use the **GUI file manager** or **SFTP** to upload your **my\_portfolio/** folder.
   * Make sure .env and other credentials are uploaded securely.
3. **Configure Your WSGI File**
   * Open **"Web"** in PythonAnywhere dashboard.
   * Edit the WSGI file (should be something like /var/www/your\_username\_wsgi.py)
   * Add the following at the end:

python

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import sys

import os

# Set the path to your project

sys.path.insert(0, "/home/your\_username/my\_portfolio")

# Import and run Flask app

from app import create\_app

application = create\_app()

* + Save and restart the web app.

**🔹 Step 2: Set Up Supabase (PostgreSQL Database)**

1. **Create a Supabase Account**
   * Sign up at [Supabase](https://supabase.com/) and create a new project.
2. **Set Up Your Database**
   * Go to **Database → Tables** and manually create the required tables (Users, Services, Projects, etc.).
   * Or, if you have an SQL file (create\_tables\_query.sql), run it in the SQL editor.
3. **Get Database Credentials**
   * In **Settings → Database**, copy the **Database URL**.
   * Format:

bash

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postgresql://username:password@host:port/database

1. **Update Your .env File** in PythonAnywhere
   * Edit .env and add:

ini

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DATABASE\_URL=postgresql://username:password@host:port/database

SECRET\_KEY=your\_secret\_key

**🔹 Step 3: Install and Configure Requirements**

1. **Open PythonAnywhere Console**
   * Navigate to **"Consoles" → "Bash"**
   * Run:

bash

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pip install -r /home/your\_username/my\_portfolio/requirements.txt

* + If you don’t have a requirements.txt file, generate it:

bash

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pip freeze > requirements.txt

1. **Set Environment Variables**
   * Go to **"Web" → "Environment Variables"** and add:

ini

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DATABASE\_URL=postgresql://username:password@host:port/database

SECRET\_KEY=your\_secret\_key

**🔹 Step 4: Run Database Migrations**

* If you are using Flask-Migrate, run:

bash

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flask db upgrade

**🔹 Step 5: Test Your Application**

1. **Reload Web App** in PythonAnywhere
   * Go to **"Web" → "Reload"**
   * Open your **PythonAnywhere URL** (your\_username.pythonanywhere.com) in a browser.
2. **Check for Errors**
   * If there are issues, check:
     + **Error logs**: Web → Error Log
     + **Console logs**: Run logs
     + **Manually run Flask**:

bash

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cd /home/your\_username/my\_portfolio

python run.py

**🔹 Step 6: Build and Improve Frontend Pages**

Once hosting and database are **working**, start **enhancing UI/UX**:

1. **Ensure all templates render correctly**
2. **Fix styling issues** using CSS and Bootstrap
3. **Test API and Database Connections**
4. **Enhance Admin Dashboard and User Authentication**

**✅ Final Checklist**

✔ Hosting set up on PythonAnywhere  
✔ PostgreSQL database configured on Supabase  
✔ Flask app connected to Supabase  
✔ .env configured properly  
✔ Web app running without errors