

# Fullstack Development

# Preflight project - deployment




Github Repo

# Local machine

# Setup

- Remove all containers
- Remove volumes
- Remove all image cache
  - `docker image prune -a`

# Steps

-  Make `./env` from `./env.example` ([Link](#))
-  `./docker-compose.yml` ([Link](#))
  - Change the `image` names to your images.
-  `docker compose up -d --force-recreate`

# Setup database

- `docker exec -it pf-db bash`
- `psql -U postgres -d mydb`
- Don't forget to change the password.

```
REVOKE CONNECT ON DATABASE mydb FROM public;  
REVOKE ALL ON SCHEMA public FROM PUBLIC;  
CREATE USER appuser WITH PASSWORD '1234';  
CREATE SCHEMA drizzle;  
GRANT ALL ON DATABASE mydb TO appuser;  
GRANT ALL ON SCHEMA public TO appuser;  
GRANT ALL ON SCHEMA drizzle TO appuser;
```

# Setup database (cont)

*(New terminal)*

- `docker exec -it pf-backend sh`
- `npm run db:generate`
- `npm run db:migrate`

# Remote server

- Log into remote server
  - `ssh [USERNAME]@[SERVER_IP]`
- Install docker
- Repeat steps we just did on local machine.
  - You can clone my repo and edit
  - `git clone https://github.com/fullstack-67/pf-deploy.git`
- Note
  - You should delete `.env` once you are done.
  - Make `.env.example` so remind your future self.



# Congratulations!

# Recap

Topic	Stack
Language	TypeScript
DB	PostgreSQL / Drizzle ORM
Backend	Express
Frontend	Reac / Vite
Testing	Cypress
Deployment	Docker / Nginx