



Deployment with Railway + Supabase & Firebase

Create database on Supabase

▼ Database Configuration

1. akses <https://supabase.com/> → buat akun
2. buat organization :
 - buat project dan password (salin dan simpan password)
 - pilih region → West US (North California)
3. masuk ke menu project settings → pilih Database
4. setup database pada staging `production`

```
"production": {  
  "use_env_variable": "DATABASE_URL"  
}
```

Backend Deployment

▼ Server Configuration

- ▼ 1. beritahu railway aplikasi yang digunakan itu node `package.json`

```
"scripts": {  
  "start": "node app.js"  
}
```

- 2. pastikan mengubah port menjadi `process.env.PORT || 3000`
- ▼ 3. pastikan `dotenv` hanya digunakan dilocal (untuk saat ini)

```
if (process.env.NODE_ENV !== 'production') {  
  require('dotenv').config();  
}
```

```
}
```

▼ Railway CLI

- akses <https://railway.app/> → buat akun
- install dengan cara :
 - **homebrew:** `brew install railway`
 - **npm:** `npm i -g @railway/cli`
- jalankan perintah `railway login`

▼ Railway App

- GUI: buat app di dashboard railway
- CLI: jalankan perintah `railway init`

▼ Push to Railway

- jalankan perintah `railway up`

▼ Setup Environment

- GUI: choose app → Variables
- CLI: `railway vars set NODE_ENV=production`
- CLI: `railway vars set DATABASE_URL=postgresql://[DATABASE_URI]`

▼ Migrating & seeding database

- jalankan `railway run npm i` (jika belum install package di local)
- jalankan `railway run npx sequelize-cli db:migrate`
- kemudian `railway run npx sequelize-cli db:seed:all`

▼ Re-deploy to Railway

- jalankan perintah `railway up`

▼ Generate domain

- buka dashboard railway
- pilih project → masuk ke settings → generate domain

Frontend Deployment

▼ Client Configuration

- ubah BASE_URL dari `localhost` menjadi link deployed server
- salin semua file client kedalam sebuah folder bernama `dist` / `www` / `public`

▼ Firebase CLI

- Install `npm i -g firebase-tools`

▼ Firebase Account

- daftar akun firebase
- jalankan `firebase login`

▼ Firebase App

- buat project firebase
- jalankan `firebase init` / `firebase init hosting`

▼ Setup environment for deployment

```
? What do you want to use as your public directory? dist
? Configure as a single-page app (rewrite all urls to /index.html)? Yes
? Set up automatic builds and deploys with GitHub? No
? File dist/index.html already exists. Overwrite? (y/N) No
```

▼ Firebase Deploy

- jalankan `firebase deploy`
- jangan lupa force refresh `cmd + shift + R` / `ctrl + shift + R`