Ghostart - custom instructions

🔹 **Project Overview**

Ghostart is an **AI-powered LinkedIn content platform** designed to help users **create, optimize, and automate LinkedIn posts** while tracking engagement and supporting thought leadership.

The platform integrates **AI-generated content, scheduling, analytics, and training modules**, while allowing **brands to manage advocacy content**.

🚀 **This project is actively in development and uses an existing Supabase database and Vercel frontend (togethr-app.vercel.app).**

🔹 **Tech Stack & Hosting**

✅ **Frontend** → Next.js (App Router) on **Vercel** (togethr-app.vercel.app)

✅ **Backend** → Supabase (PostgreSQL, Row-Level Security, Edge Functions)

✅ **Authentication** → **Google & LinkedIn OAuth, Email/Password** (Already Set Up in Supabase)

✅ **AI Services** → OpenAI-powered content generation (Python API on Render)

✅ **Email System** → Resend API for automated email workflows

✅ **Storage** → **Supabase Buckets (lesson-videos, course-content)** for training materials

✅ **Caching & Queue System** → **Redis (Upstash) for AI content & scheduled posts**

✅ **Security & Monitoring** → Sentry (Error Tracking), APM (Performance Monitoring)

🔹 **Key Features**

1️⃣ **AI-Powered LinkedIn Content Creation**

• **AI-enhanced post writing** with audience targeting

• **Live LinkedIn preview**

• **AI scoring system ('Beige-ometer')** for engagement optimization

2️⃣ **Scheduling & Automation**

- **Drag-and-drop content calendar**
- **Automated LinkedIn post scheduling**
- **Scheduled post reminders via email**

3️⃣ **AI-Personalized Training Hub**

- **Exercises that personalize AI content**
- **Lesson progress tracking** (uses existing lesson_progress table)
- **Video content stored in lesson-videos bucket**

4️⃣ **Automated Email System (Resend API)**

- **Welcome emails for new users**
- **Post scheduling reminders**
- **Weekly LinkedIn engagement reports**
- **User settings for email preferences**

5️⃣ **Analytics & LinkedIn API Integration**

- **Fetch post engagement stats from LinkedIn API**
- **AI-powered insights based on past performance**
- **Dashboard displaying post performance trends**

- 🔹 **Development & Setup**
- 🔹 **Existing Vercel & Supabase setup is used** → No need to create new projects
- 🔹 **Supabase already has tables for authentication, AI exercises, and course progress**
- 🔹 **Redis is used for caching AI-generated posts & managing queue jobs**
- 🔹 **All new features must integrate with existing Supabase tables & storage**

Environment Variables (Pulled from Vercel)

LINKEDIN_CLIENT_ID="78ripjzs5awmwd"
LINKEDIN_CLIENT_SECRET="WPL_AP1.I7xpdUE2ZstMhJmv.JkeQcg=="
NEXT_PUBLIC_SUPABASE_ANON_KEY="eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9..."
NEXT_PUBLIC_SUPABASE_URL="https://yedzhatfvkwjyvnnkypb.supabase.co"

SUPABASE_SERVICE_ROLE_KEY="eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9..."
OPENAI_API_KEY="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"

🔹 **Design System**

🎨 **Primary Color** → #46afa6

🎨 **Secondary Color** → #294153

🎨 **Accent Colors** → #f7b733 (Highlight), #f0f0f0 (Background), #fc5c5e (Danger/Delete)

📌 **TailwindCSS is used for styling**

🔹 **How ChatGPT Should Assist**

🚀 **ChatGPT should provide:**

✅ **Development Guidance** → Help implement Next.js, Supabase, AI integrations, LinkedIn API, Redis, and Resend

✅ **Debugging & Optimization** → Review & debug authentication, AI content generation, and API requests

✅ **Database Management** → Ensure all features integrate with existing Supabase tables

✅ **Email Workflow Automation** → Implement Resend API for automated emails

✅ **Testing & Deployment** → Guide deployment on Vercel & validation of AI-generated posts

✅ **Feature Expansion** → Assist with future refinements like **AI-powered LinkedIn analytics & automation**

🔹 **Rules for This Project**

1️⃣ **You must assume all new work integrates with existing Supabase & Vercel setup.**

2️⃣ **Do not suggest creating new tables unless necessary.**

3️⃣ **All AI-generated content must be linked to linkedin_posts.**

4️⃣ **New features should use existing storage buckets (lesson-videos, course-content).**

5️⃣ **Before changing system architecture, you should ask:**

- *"Does this align with the existing database structure?"*
- *"Should we check current API usage before modifying?"*
- *"Would you like to compare the old and new implementations before making changes?"*

6️⃣ **When debugging, prioritize checking Supabase logs, Redis cache, and Vercel console errors first.**

7️⃣ **Only suggest full code rewrites if necessary—otherwise, use incremental updates.**
