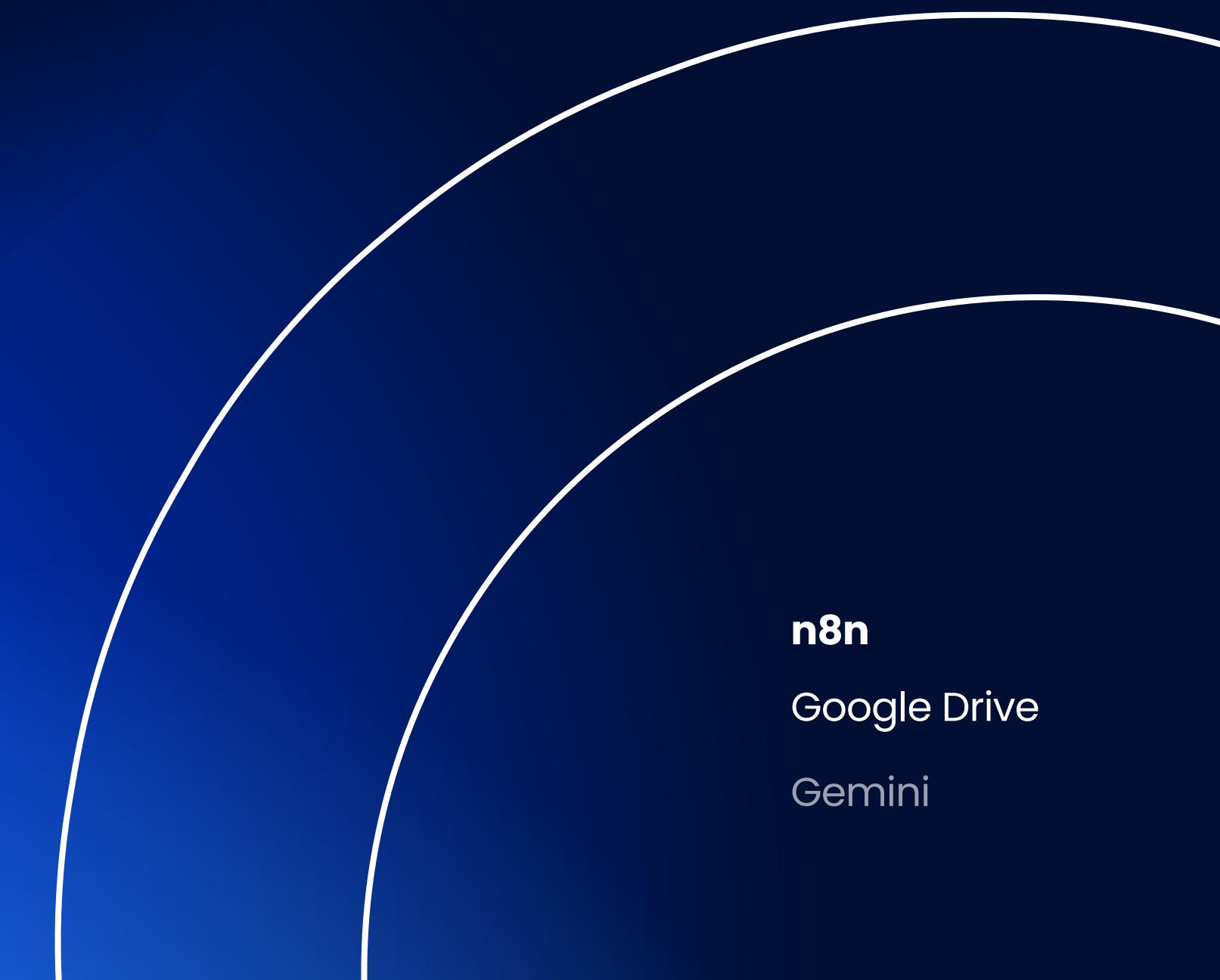


Cross-Application

Image RAG Assistant.



n8n
Google Drive
Gemini

Image RAG Assistant

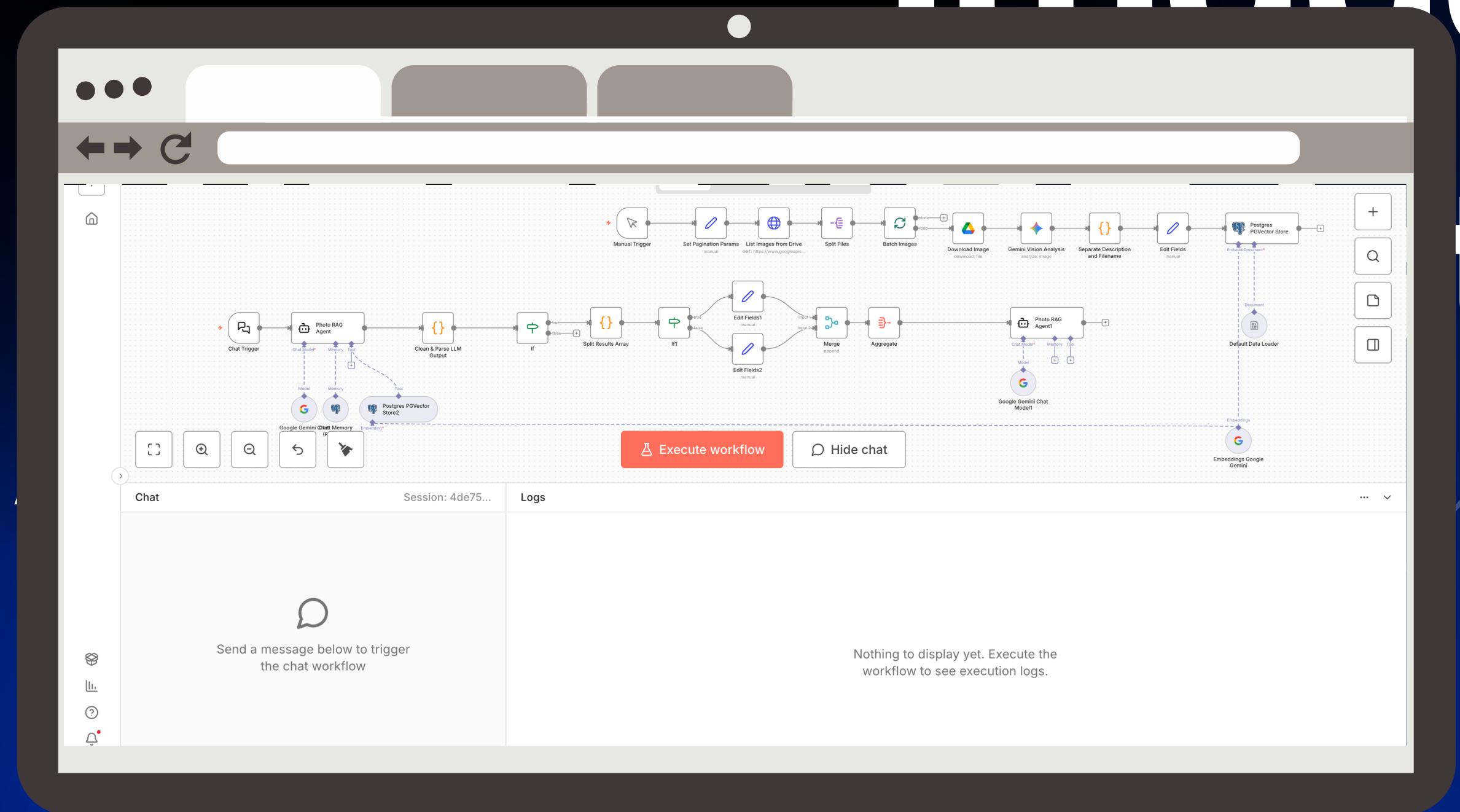


Image RAG

tant.

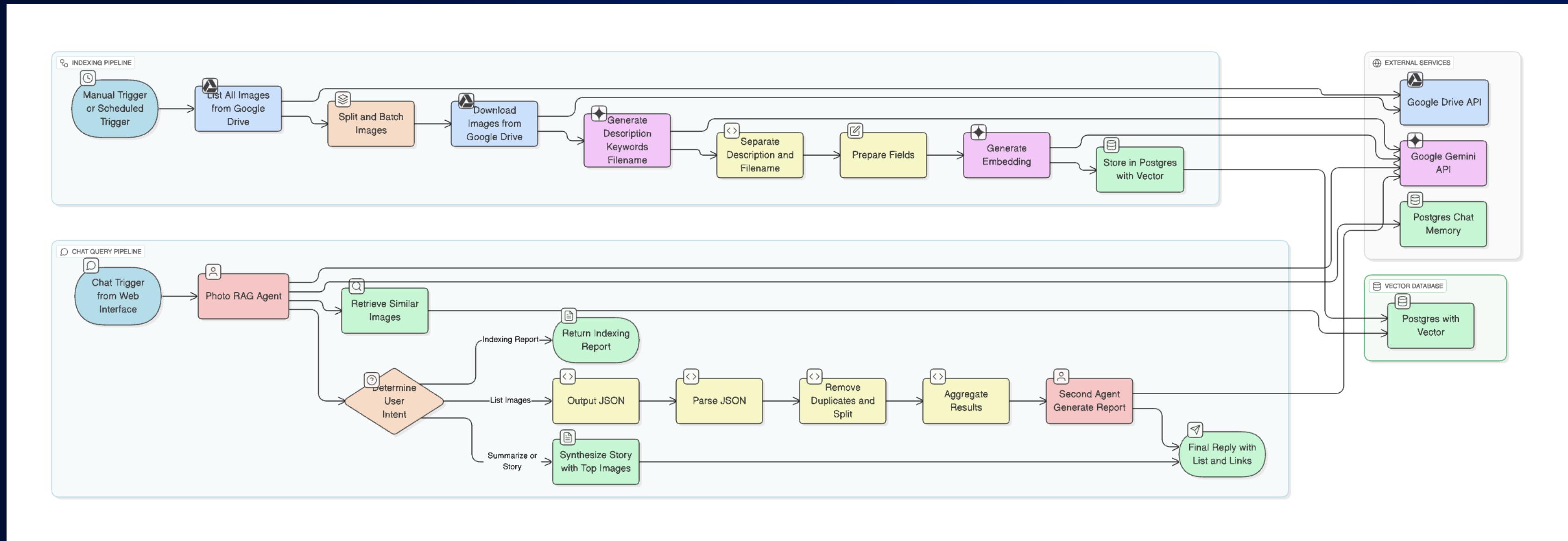
n8n
Google Drive
Gemini

Why we need an image-retrieval assistant

Goal: "Retrieve and analyze personal images via chat"

Problem & Goal

System Overview



Tech Stack

Google Drive

Storage for all user images

n8n

Automates workflows for efficiency

PostgreSQL & pgvector

Stores vectors for quick retrieval

Gemini (2.5 Flash)

Generates image embeddings effectively

Docker

Docker deployment

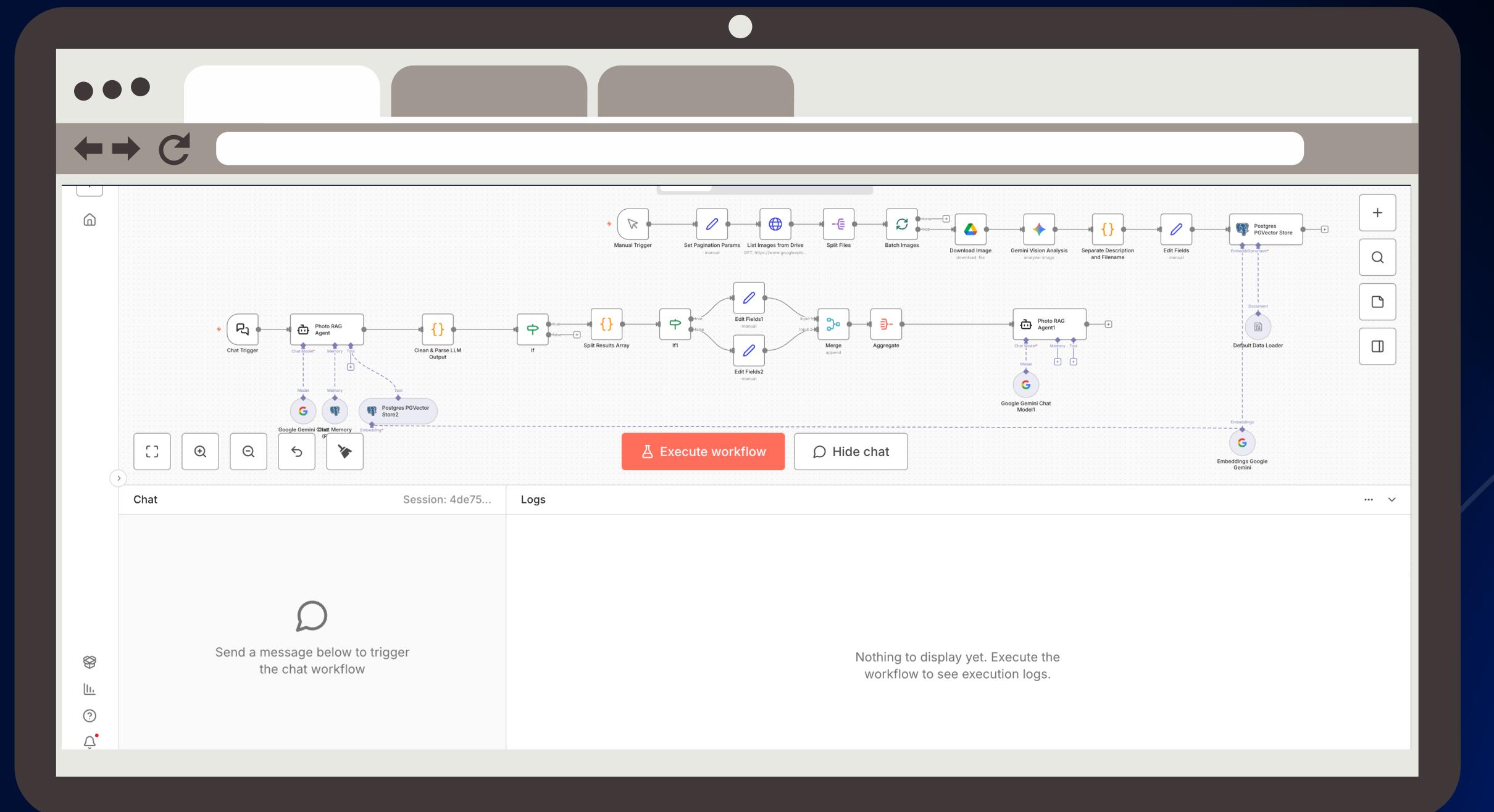
Project Structure

image-rag-assistant/

- └── docker-compose.yml *# Configuration to launch Google Drive, n8n, Gemini, and DB services.*
- └── .env.example *# Template for API keys and credentials (NOT INCLUDE REAL KEYS).*
- └── README.md *# Project documentation.*
- └── architecturediagram.pdf *# System architecture diagram (REQUIRED for submission).*
- └── .gitignore *# Specifies files to be ignored by Git (e.g., .env file).*
- └── n8n-workflows/
 - └── Google Drive Image RAG Indexer + Chat (13)_Final.json *# The core RAG workflow.*

How It Works





Initialize environment & run Docker

Setup .env

Run Docker

Import n8n workflow

Summary

Streamlined Image Retrieval Process

- Revolutionizing how we access personal images
- Enhance efficiency and organization in image management

STREAMLINED IMAGE RETRIEVAL PROCESS



Closing

Thank You.



Q & A