Chatbot Project Summary

For this project, I created a LangChain-based QA application using FastAPI and ChromaDB, with integration to OpenAI’s API. I began by setting up a FastAPI app that leveraged langchain, chromadb, and openai for document embeddings and chat completions. I deployed the application in Railway. I setted up an Open Api account in order to use their API and created a Railway account too to deploy. It’s the first time I’ve integrated a project with Open Api and the first time I use Railway (I’ve been working for several years with Azure and I have some knowledge in AWS, but I wanted to give a try to Railway to see how that works). Also is the first time I do something with Python. My main stack is .Net + React but I was pretty fun to build this project. I’ve solved a couple of doubts googling and with chat gpt.

The application can be found here:  
<https://chatbot-p-production.up.railway.app/chat/playground/>

Component Diagram:

