

empowerment-ai /
full-stack-react-express-langchain-openai

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Full stack React/Express app that using Langchain with OpenAI

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Add file

Randy Michak

last week

📁 client	styling update	last week
📁 server	added langsmith	last week
📄 .DS_Store	initial client ui	last month
📄 README.md	Update README.md	2 weeks ago

📖 README

OpenAI SQL Translator Web App

Introduction

This Full Stack application uses React, Node.js, Express, and the OpenAI API to translate natural language i SQL queries. It allows users to interact with the Chinook sample SQLite database through easy-to-underst queries, making database interactions more intuitive and accessible.

Technologies

- client: React
- server: Node.js, Express
- Database: SQLite (Chinook Sample DB)

- APIs: OpenAI, LangChain

Features

- Natural language to SQL translation
- Query execution on Chinook DB
- User-friendly query results display

Getting Started

Prerequisites

- Node.js (v14+)
- npm or yarn
- OpenAI API key

Setup Instructions

1. Clone the Repo

```
git clone https://github.com/empowerment-ai/full-stack-react-express-langchain-openai.git  
cd full-stack-react-express-langchain-openai
```

2. Install Dependencies

- client:

```
cd client && npm install
```

- server:

```
cd server && npm install
```

3. Set Up Environment

- Create a `.env` in `server` with `OPENAI_API_KEY=your_key_here`.

4. Run the server

```
cd server && npm start
```

5. Run the client

```
cd client && npm start
```

Visit <http://localhost:3000>.

Usage

Type a natural language query in the input field, e.g., "Show me all albums by AC/DC". The app translates into SQL, executes it, and displays results.

Contributing

Contributions are welcome. Feel free to submit pull requests or open issues for suggestions.

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Releases

No releases published

Packages

No packages published

Languages

