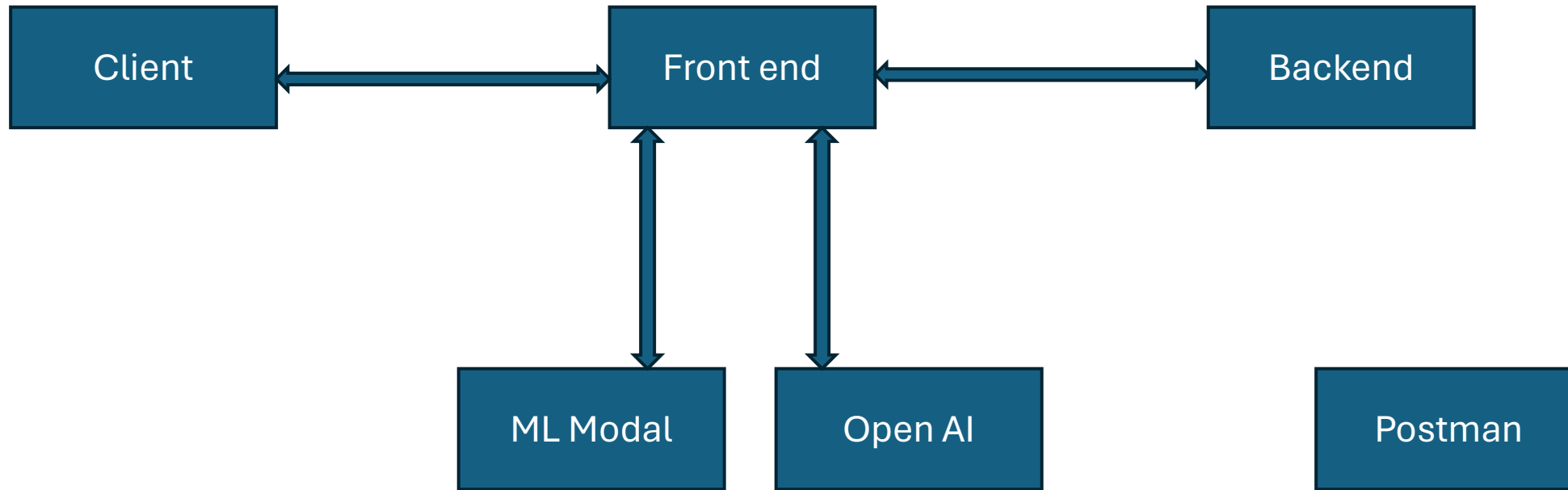


AI integration in Web Page

2/18/2024

Block Diagram



Technology Stack

IDE	<ul style="list-style-type: none">• VS code
Backend	<ul style="list-style-type: none">• Springboot: Java
Frontend	<ul style="list-style-type: none">• Vuejs: Java
AI integration	<ul style="list-style-type: none">• Chatgpt Assistant: python,Axios
Machine learning Model	<ul style="list-style-type: none">• SK learn, Decision tree classifier, Python, Flask, Machine learning Model

Installing VS code and Dependency

- Download Vs code from <https://code.visualstudio.com/Docs/setup/setup-overview>
- After downloading, run the installer (VSCodeUserSetup-{version}.exe)

Installing Python

- Download from <https://www.python.org/>
- Install python extension in VS code
 - Open the Command Palette by pressing Ctrl+Shift+P.
 - Type "Python: Select Interpreter" and select it.
 - Create the virtual environment with flask
 - *mkdir my_flask_project*
 - *cd my_flask_project*
 - *python -m venv venv*
 - *.\venv\Scripts\activate*
 - *pip install Flask*
 - *python app.py*

Installing Backend (spring boot)

- Download the Java JDK from <https://www.oracle.com/java/technologies/downloads/>
- Run the downloaded installer.
- Open VS Code.
 - Go to the Extensions view by clicking on the square icon on the sidebar or pressing Ctrl+Shift+X.
 - Search for "Java Extension Pack" and "Spring Boot Extension Pack".
 - Click the Install button for each extension pack.

Installing Front end (Vue js)

- Install node js from <https://nodejs.org/en>
- Run the downloaded installer
 - Run node -v to check the Node.js version.
 - Run npm -v to check the npm version.
- Install vue cli from command prompt
 - *npm install -g @vue/cli*
 - *vue create your-project-name*
- Install VS Code Extensions for Vue Development
 - Vetur, Vue VSCode Snippets
 - Open the Project in VS Code

Installing Postman

- Install Postman from <https://www.postman.com/downloads/>
- Once Postman is installed, you can launch it and start making API requests.

Spring boot Resources

- Spring Guide <https://spring.io/guides>
- Spring Boot Reference Documentation
<https://docs.spring.io/spring-boot/docs/current/reference/htmlsingle/>
- Youtube: <https://www.youtube.com/watch?v=msXL2oDexqw>
- Security and Authentication
 - https://www.youtube.com/watch?v=EjrlN_OQVDQ

Vue Js resources

- Vue.js Official Documentation: <https://vuejs.org/guide/introduction.html>
- View Mastery: <https://www.vuemastery.com/courses/intro-to-vue-3/intro-to-vue3>
- Youtube: https://www.youtube.com/watch?v=FXploQ_rT_c
- Stack overflow: <https://stackoverflow.com/tags/vue.js/info>

Flask and Open AI resources

- Flask Tutorial: <https://blog.miguelgrinberg.com/post/the-flask-mega-tutorial-part-i-hello-world>
- Open AI playground: <https://platform.openai.com/playground>
- Open AI API request: <https://platform.openai.com/docs/api-reference/introduction>
- Youtube: <https://www.youtube.com/watch?v=0h1ry-SqINc&t=875s>

Important Steps

Set up environment

- IDE, Dependencies, Framework, libraries

Github

- Branching, code sharing, code updates, commits

Creating Login/Signup Page

- Authentication/Authorization

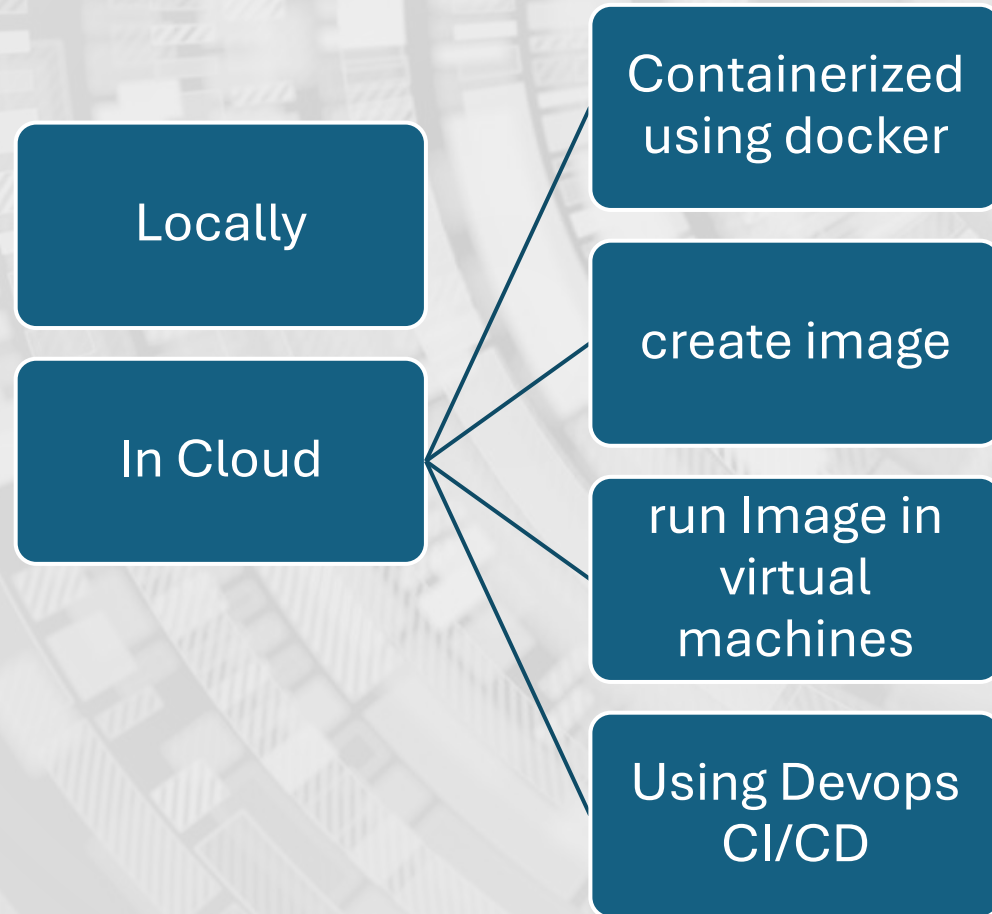
Development

- Implementing Idea into application

Interfacing

- Frontend, Backend, microservice, openai

Deployment



Know how

Watch tutorials about the platform you are working

Understand work flows/architecture of platform

Build Idea, Algorithm

Leverage AI for fast coding and test in your platform

Built with mock data before interfacing

Interface and troubleshoot

Deployment

Apicalls

Server/client address

Payload data

Headers

Cors

Security



Open AI terminology

API key

Configuring AI service

- Configuring Assistant, Assistant id, file ids, modal
- Configuring User message, Userid, file ids, fileuser message,

Threading

Handling Response
message



Gym Assistant ▾

Name

Gym Assistant
asst_p0aR8UbU1s9gbd6ZkQefqyuM

Instructions

You're a helpful assistant that can assist people looking for gym, explain guidance, training, plan schedule, training, cost for gym.

Model

gpt-3.5-turbo ▾

TOOLS

① Functions + Function

① Code interpreter ☐

① Retrieval ☐

① FILES + Add

THREAD

Clear

Logs

Enter your message...



Run ▾

Clone

Updated 2/18, 5:02 PM

Demo

Red's Rewards

[ApiCalls](#) [Ai Integration](#) [ML Prediction](#) [Home](#) [Admin](#) [My Profile](#) [About](#) [Redeem](#) [Logout](#)

AI Assistant



hi

Send

Hello! How can I assist you today? If you have any questions about the gym, fitness, training, or anything else, feel free to ask!

- Thanks , You could ask Questions!

