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Meet your new AI best friend: 🦜🔗 LangChain

Devoxx Greece

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https://github.com/tolares/talks

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Agenda

1

🦜🔗LangChain?

2

🧱Fundamentals

3

🥳Let’s have some fun

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🦜🔗 LangChain?

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AI
AI EVERYWHERE
made on imgur

🦜🔗LangChain

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The way that we describe it or think

LangChain has been build with the central value proposition of “composability”.

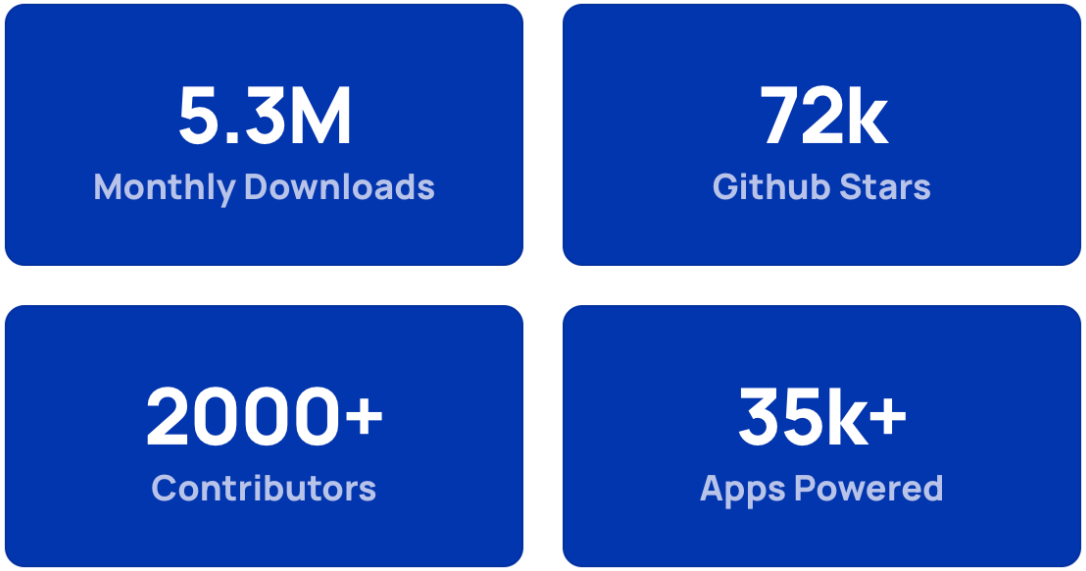
Harison Chase

CEO of LangChain

🦜🔗LangChain

What is Langchain ?

- 🦜🔗 LangChain is an open-source Framework created in October 24th 2022
  - Written in Python🐍 and TS
- Award New tool of the Year 2023 (StackShare)



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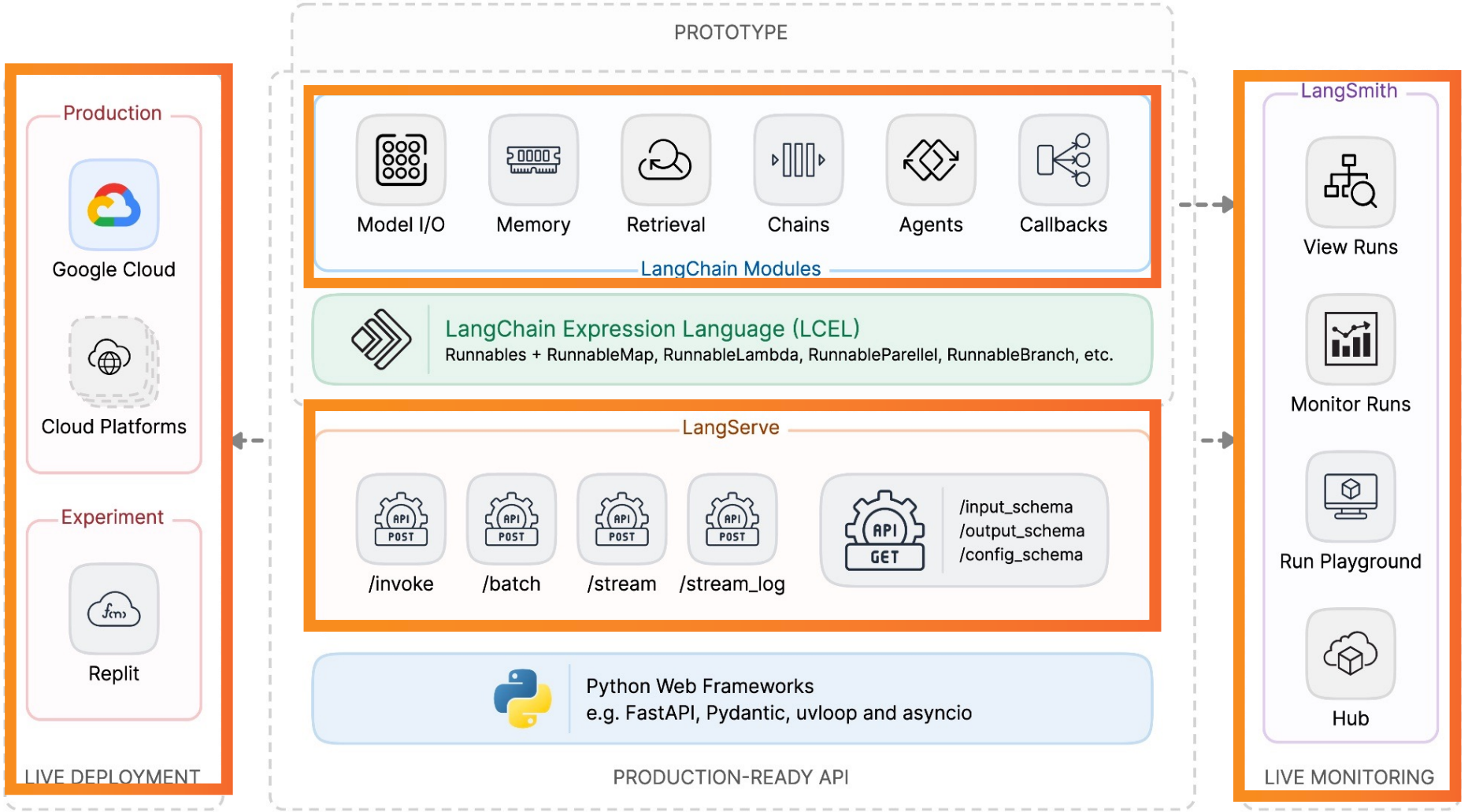
Fundamentals

Fundamentals



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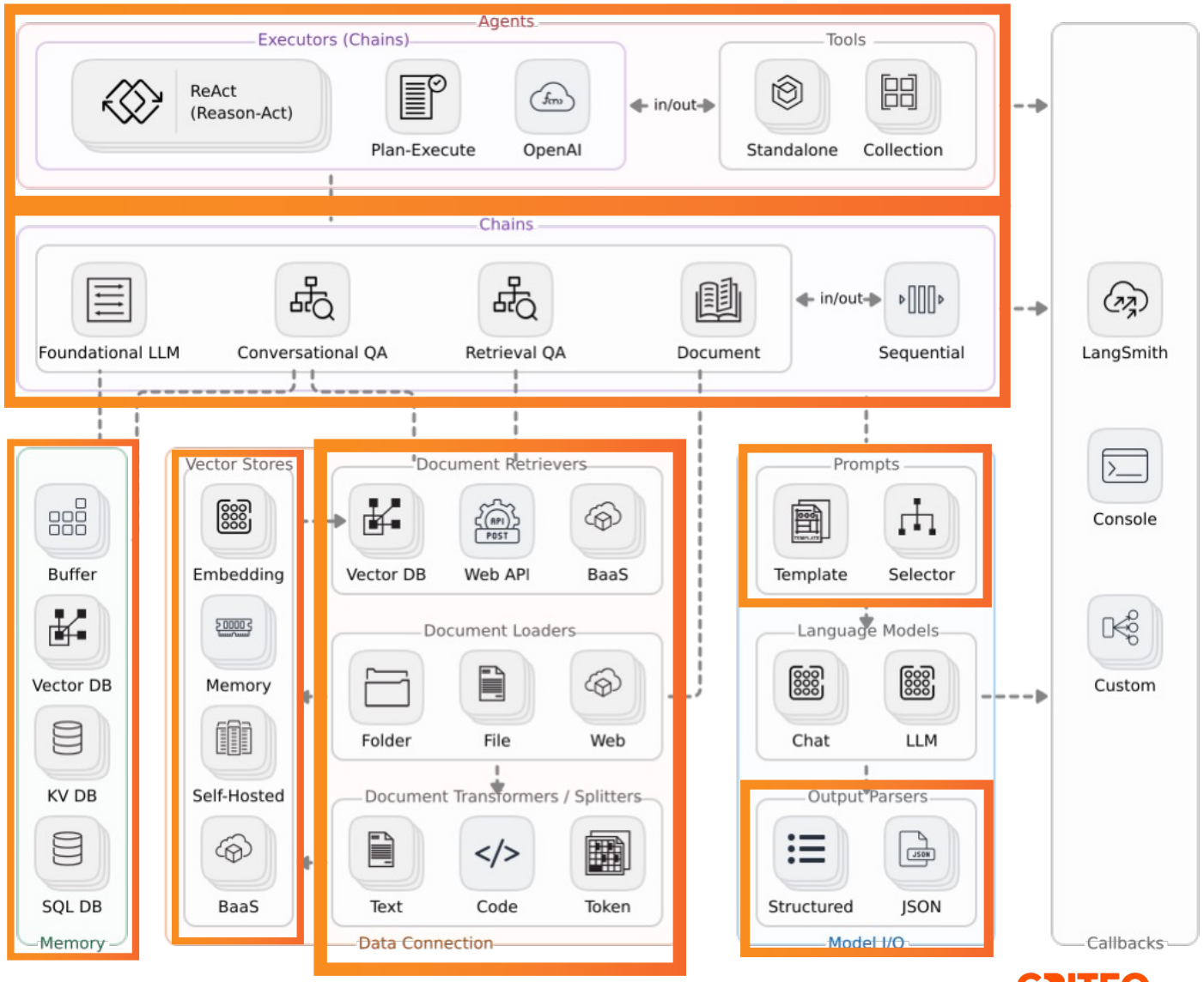
Fundamentals

- Standard API to communicate with LLMs
- Chain actions based on an input
- Format Output/Input
- Memory
- Prompt template
- Load Document
- Vector Store



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Let’s have some fun

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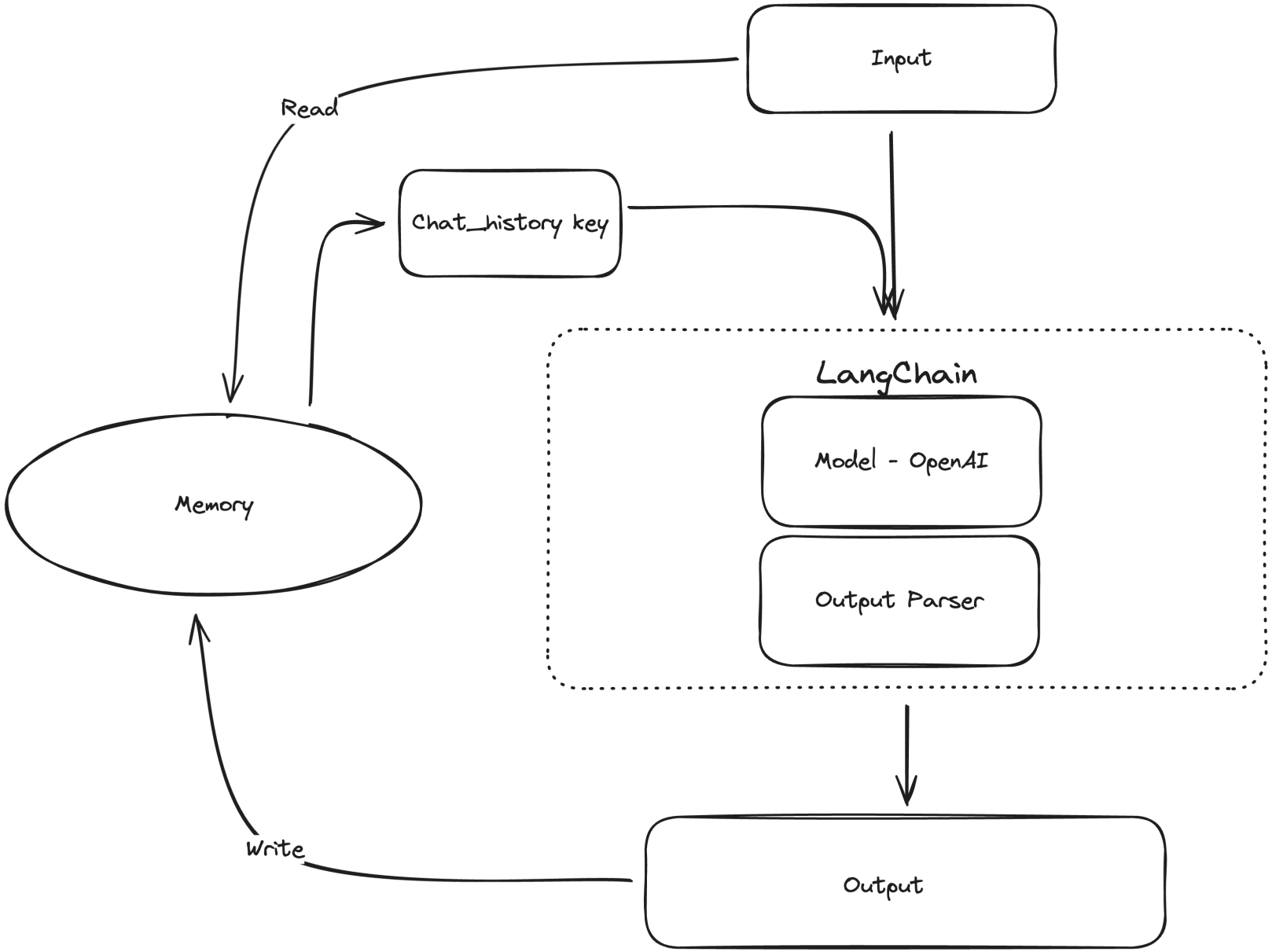
Create our own ChatGPT

Let’s just duplicate the ChatGPT basic features !


Input
Read
Chat_history key
LangChain
Model - OpenAI
Output Parser
Memory
Write
Output

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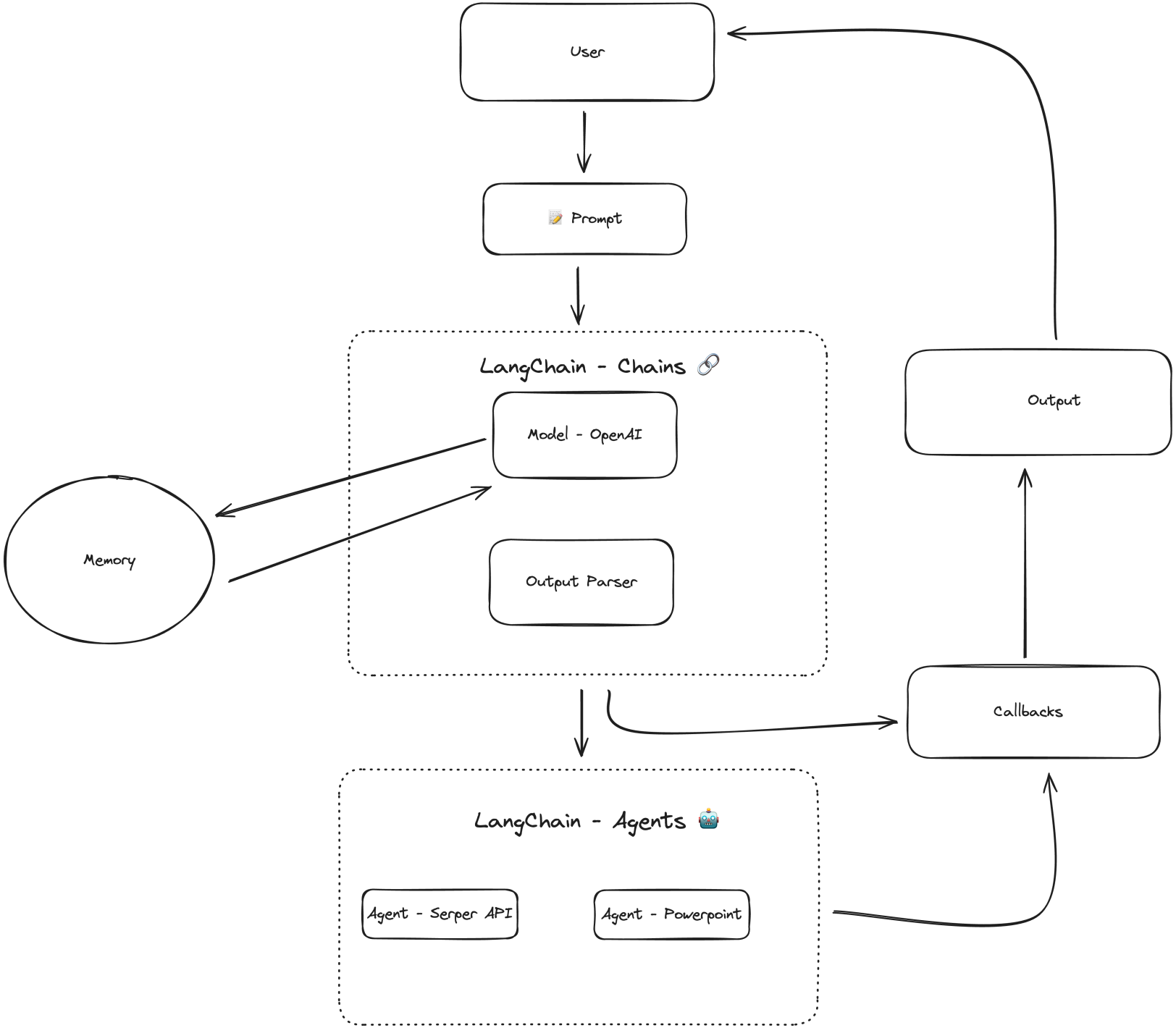
Build our first Agent

1. The user put a topic
2. The chain will do research on internet
3. Then based on the result will generate a powerpoint


User
Prompt
LangChain - Chains
Model - OpenAI
Output Parser
Memory
Output
Callbacks
LangChain - Agents
Agent - Serper API
Agent - Powerpoint

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🧠Conclusion

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Questions?

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