

# Introduction to LangChain

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Goal:

introduce LangChain through practical LLM applications

# Agenda

- 00 What's and Why's of LangChain
- 01 QA with structured data
- 02 QA with unstructured data
- 03 Agents

**To follow along:**

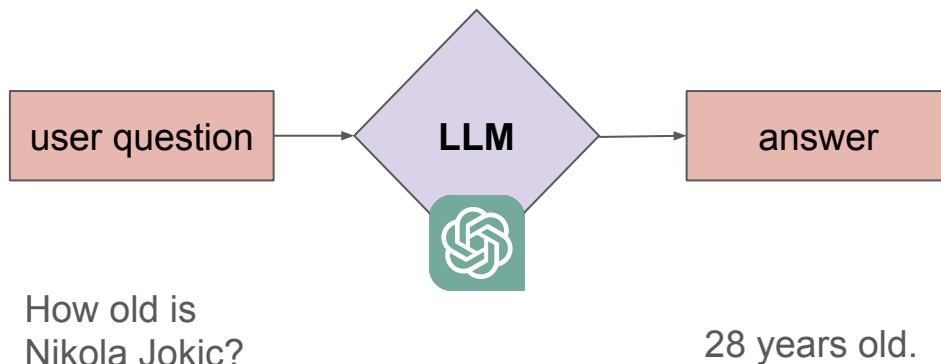
[github.com/valira-ai/DSC-Europe-23-workshop](https://github.com/valira-ai/DSC-Europe-23-workshop)

# What is LangChain

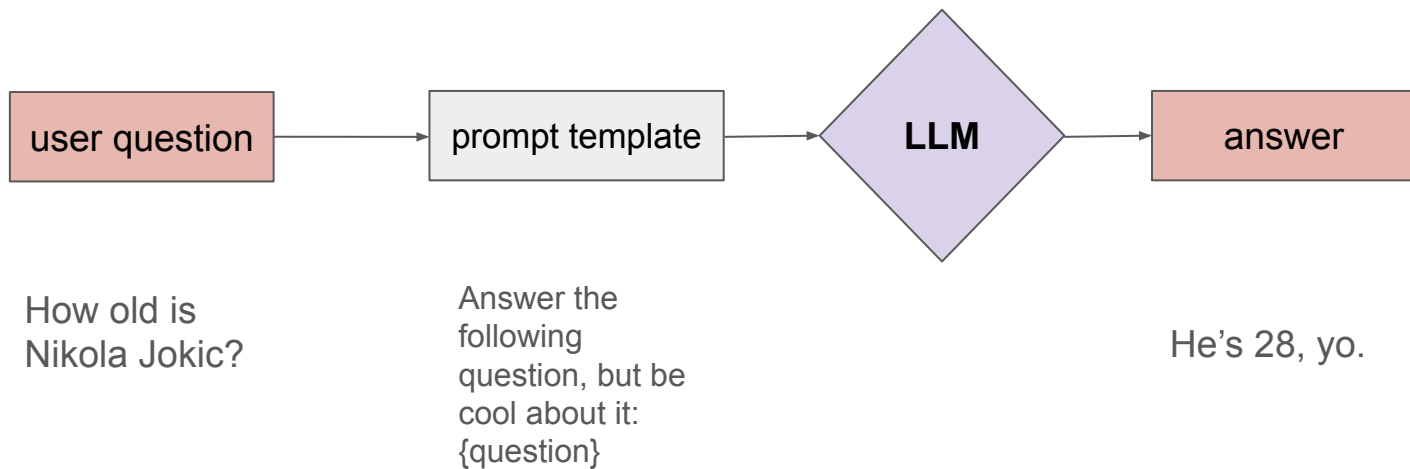
- framework for developing LLM applications



# Why is LangChain

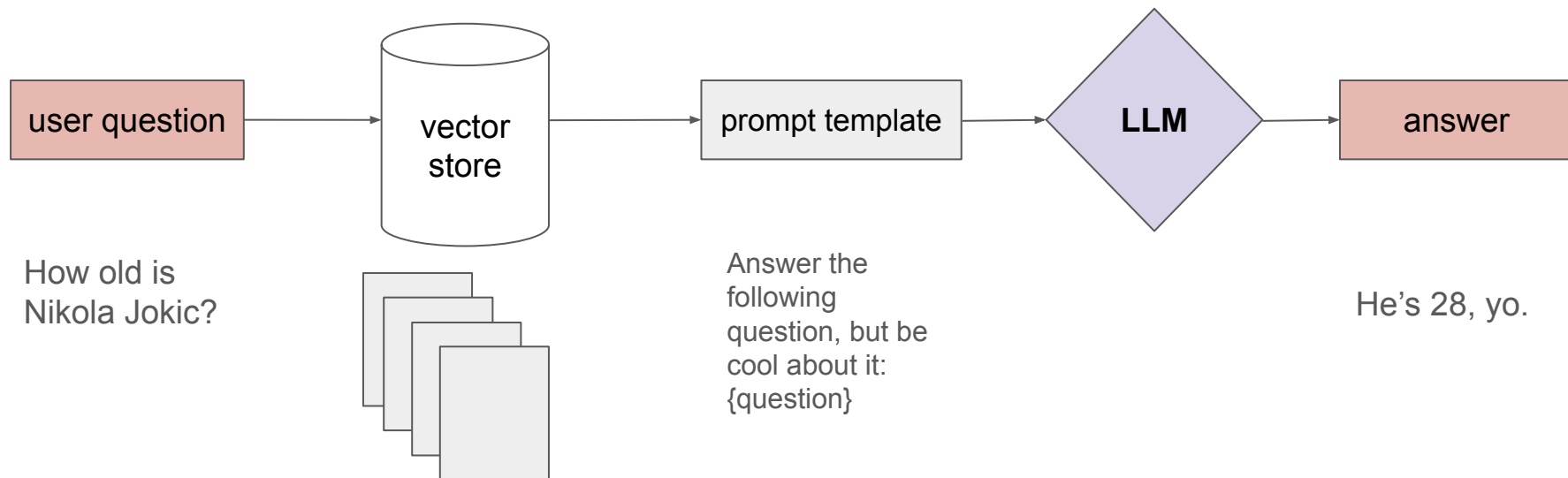


# Why is LangChain

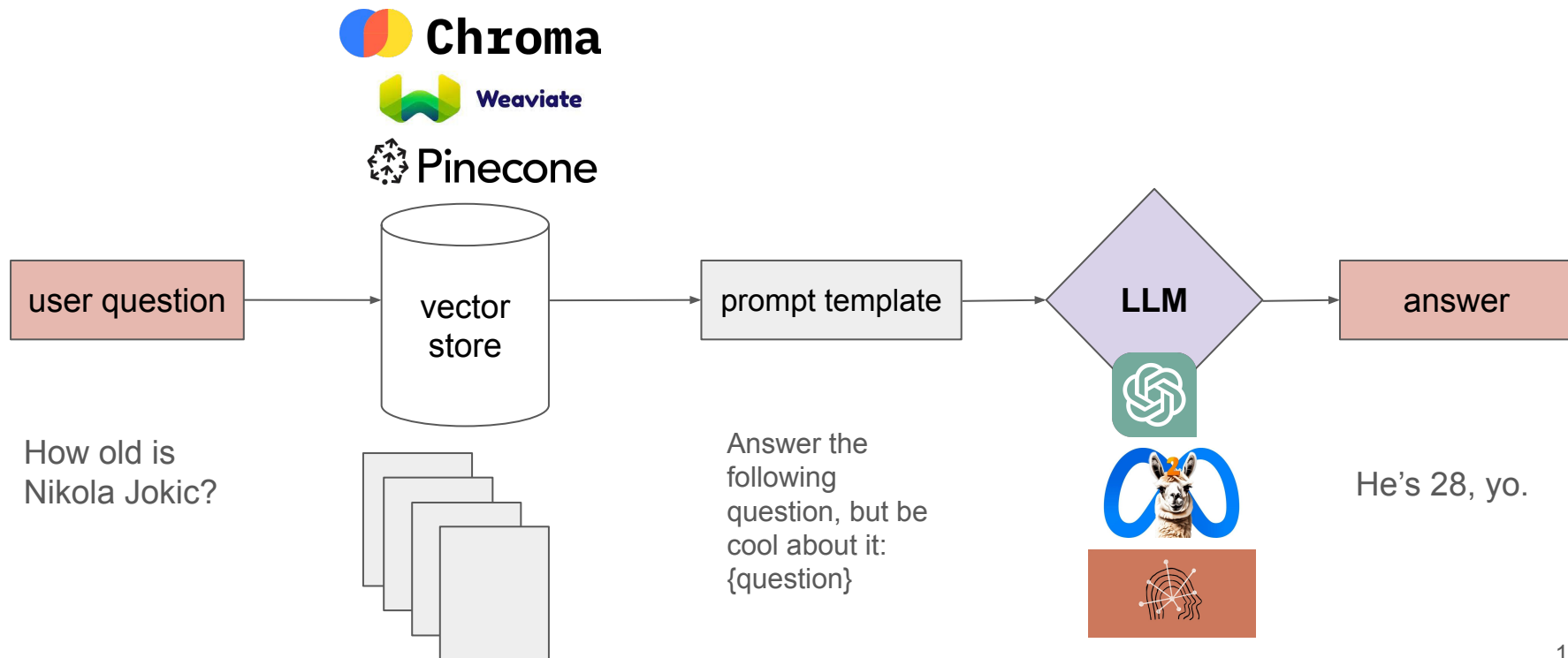




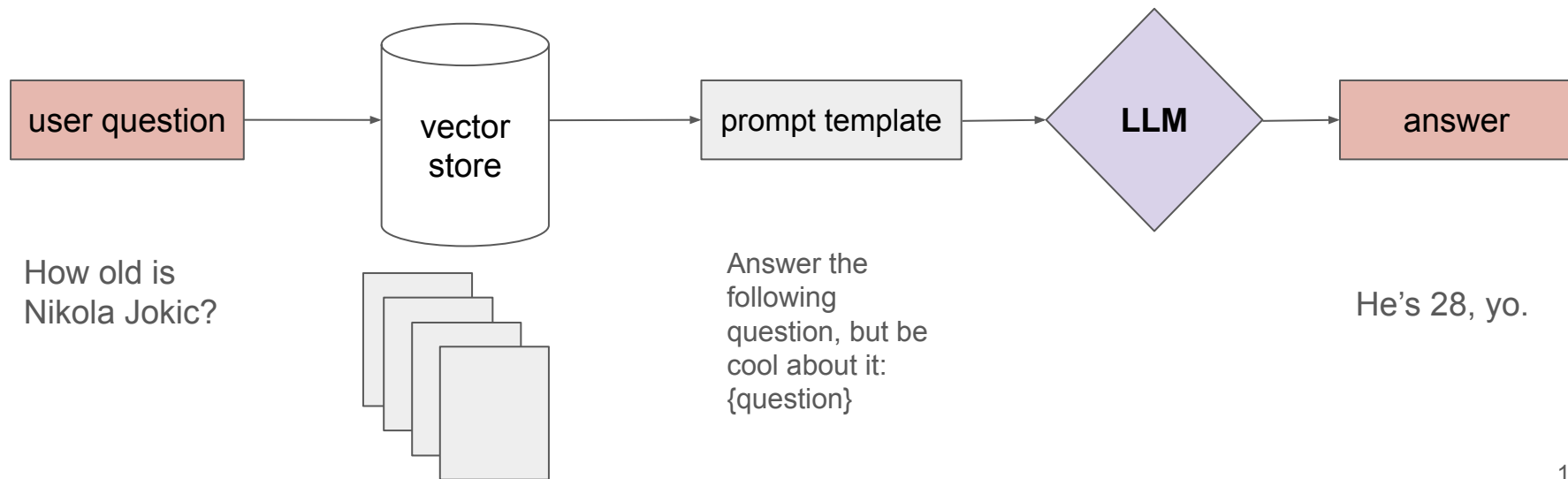
# Why is LangChain



# Why is LangChain

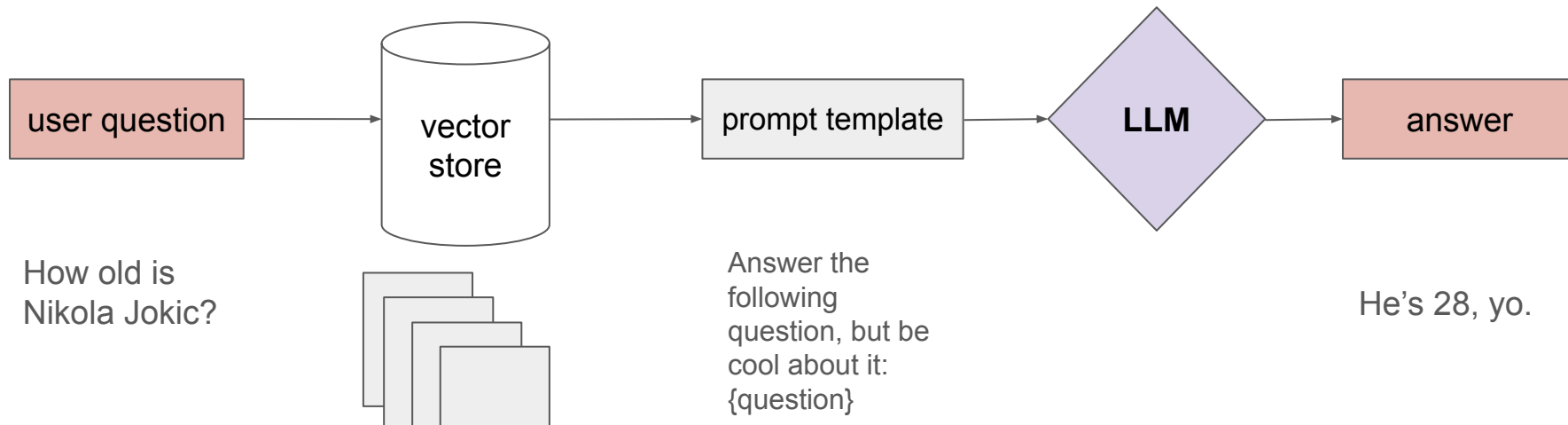


# Chains

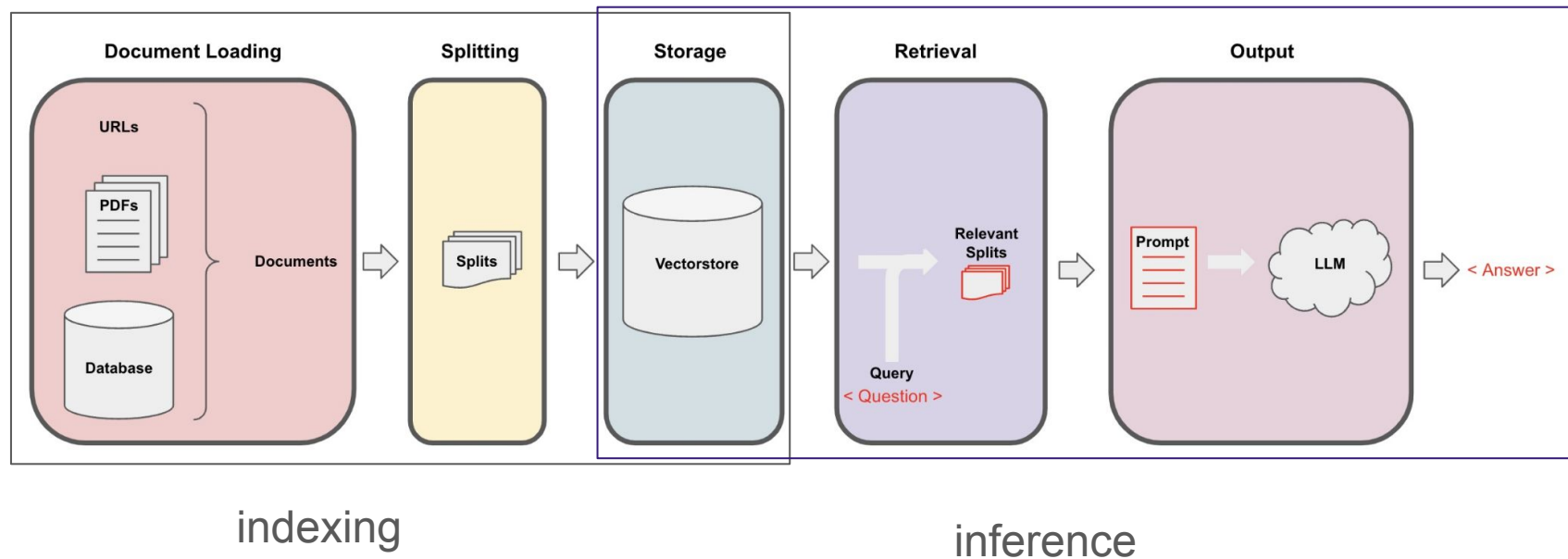


# Retrieval augmented generation (RAG)

- LLMs are static;
- cannot work with private data;
- expensive to train.

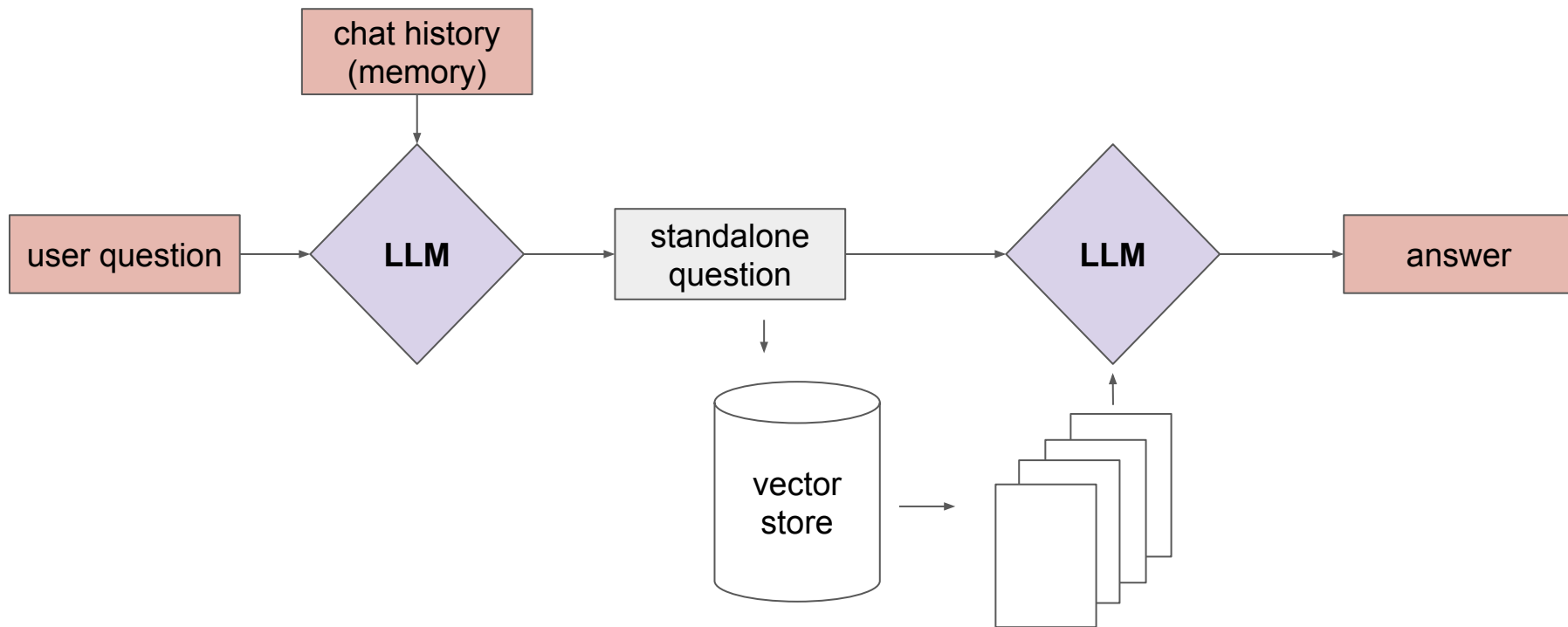


# RAG overview



source: [LangChain docs](#)

# RAG with memory



# Questions?

feel free to write to us or connect  
with us via LinkedIn



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