

# Agentic Design Patterns and Orchestration

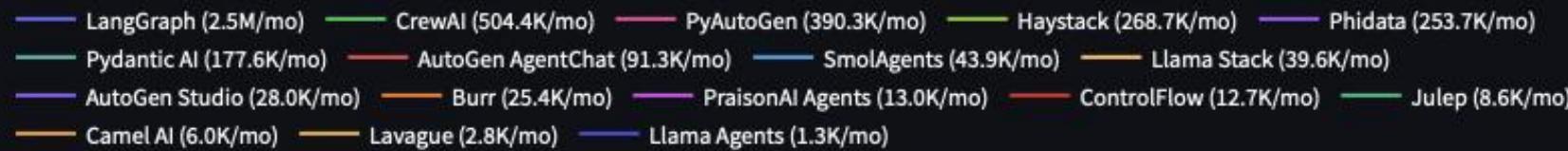
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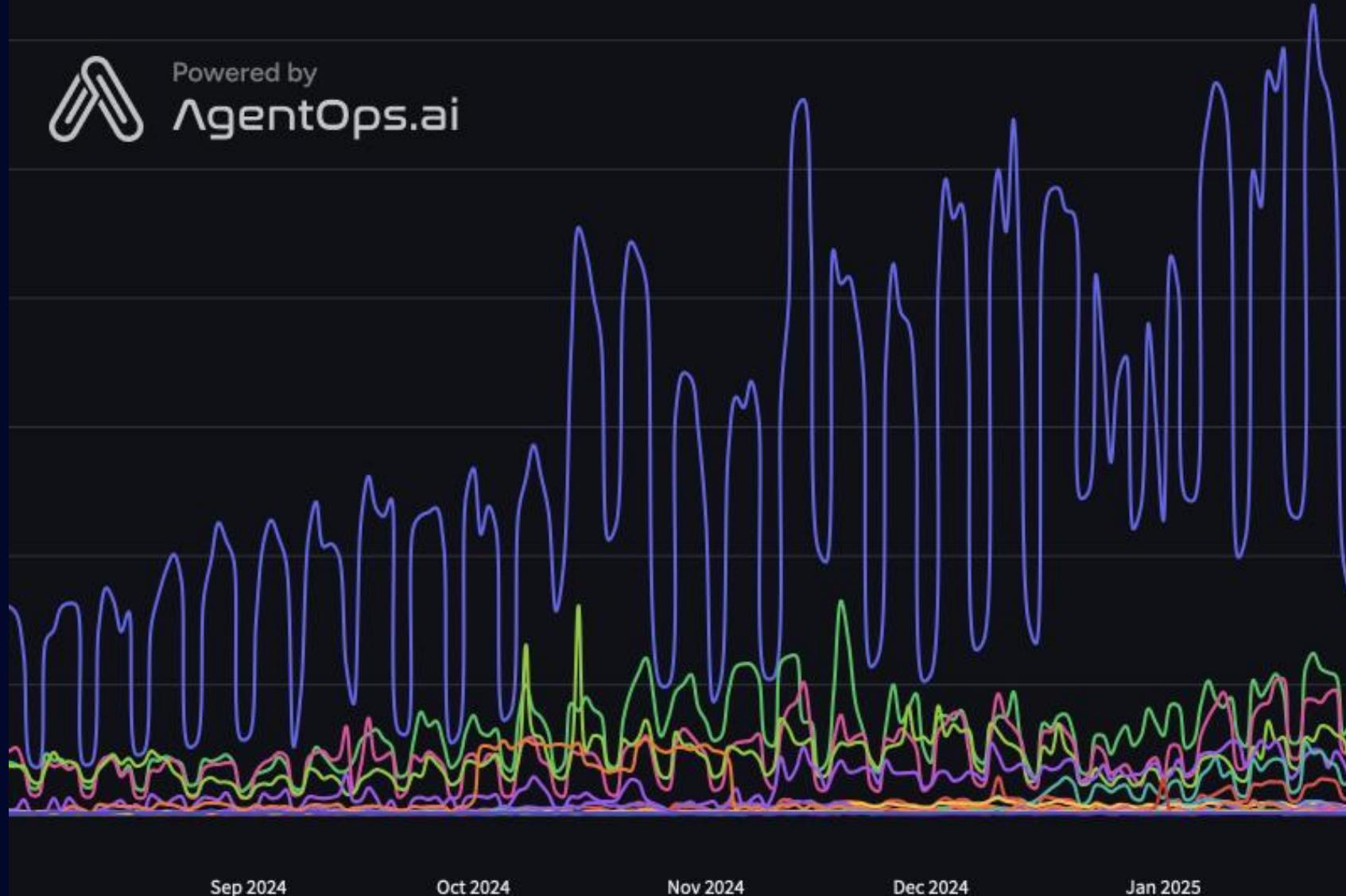
**OpenAI Operator**

What is the most widely used agent framework?



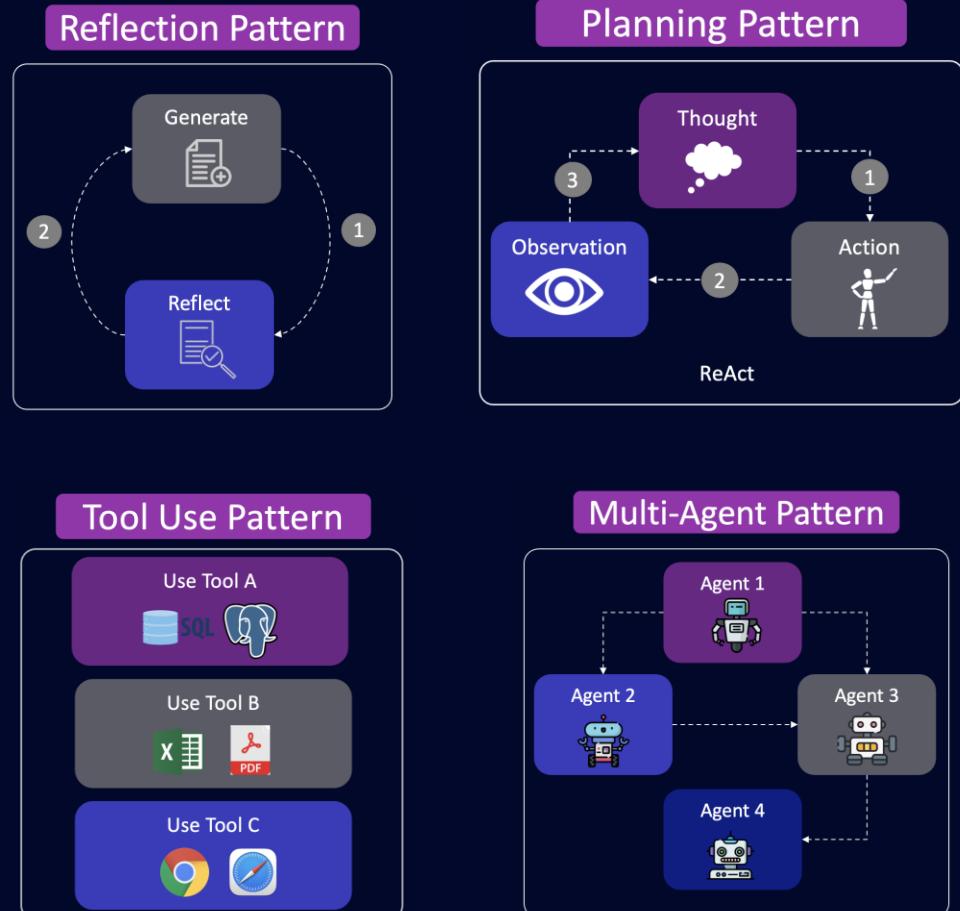


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posted by  
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# Agentic Design Patterns



# Agent Frameworks



# For the Challenge

- ① Each team come up with own agent use case (e.g. a sub use case of what you are working on)
- ② Enter the use case in this spreadsheet



# Agentic Design Patterns

Follow along on this github repo

<https://rb.gy/ecmgxe>

# Agent Frameworks



# Framework Comparison

Framework	Focus	Memory	Language	Github Stars	Edge
Langgraph	LLM applications, graph-based agent workflows	State management	Python	8.8k	Extensive community, control over flow and state of the application
CrewAI	Role-based agents	Shared context, task history	Python	26.3k	Human-like agent interaction
Autogen	Task automation	Conversational memory, context management	Python/ C	39.2k	Suited for Code Gen
Swarm	Multi-agent exploration	Task history	Python	18.6k	Lightweight

# The Challenge

- ① Find the strengths and weaknesses of the different frameworks
- ② Implement your use case with one or multiple frameworks.
- ③ Submit strengths and weaknesses in this form



→ Team that submits **most answers** gets to **present their use case**

# Do we really need agent frameworks?

## Pros:

- Faster head start
- Slightly less code
- Good for exploration

## Cons:

- Building agents from scratch is not that hard (1-3 .py files)
- Need for re-work as frameworks evolve

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