

Building AI Agents in TypeScript with Mastra

Agenda

Why not ChatGPT

Why build your own

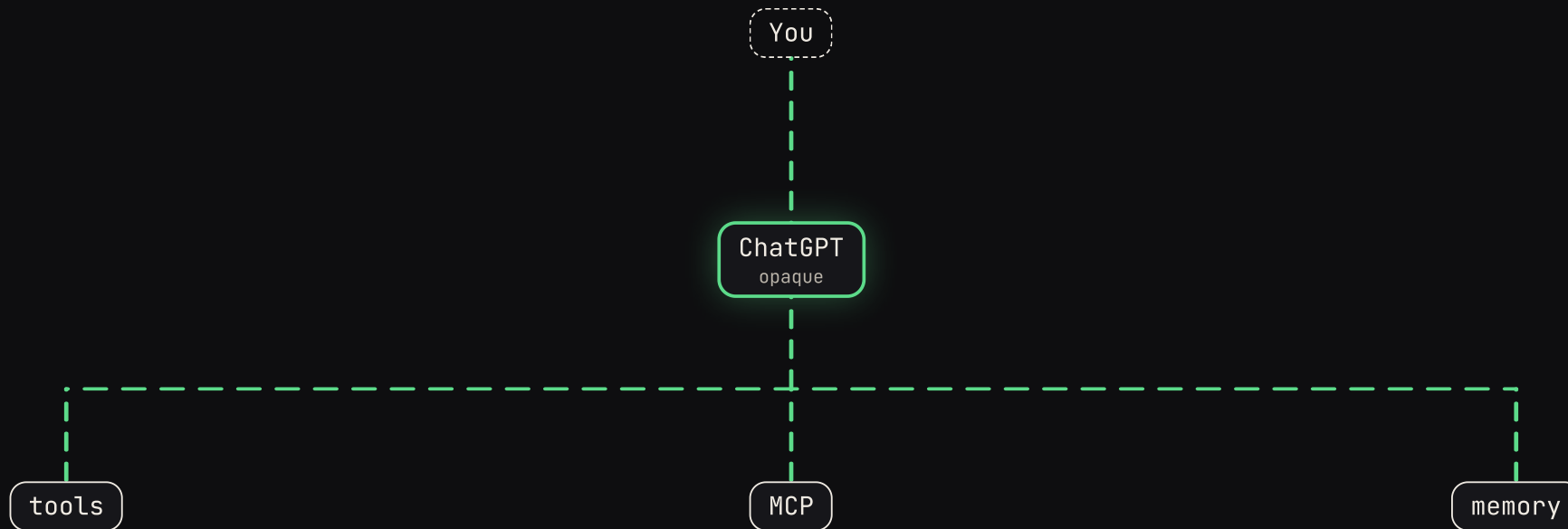
Mastra

Live demo

WHY NOT CHATGPT

You watch it work. You cannot see how.

You type a prompt. ChatGPT calls tools, MCP, memory.
You cannot inspect evals, swap models, or leave OpenAI.



USE CASES

Why build your own?

See your own evaluations

Run local LLMs

Swap providers, not just OpenAI

Fallback when a provider is down

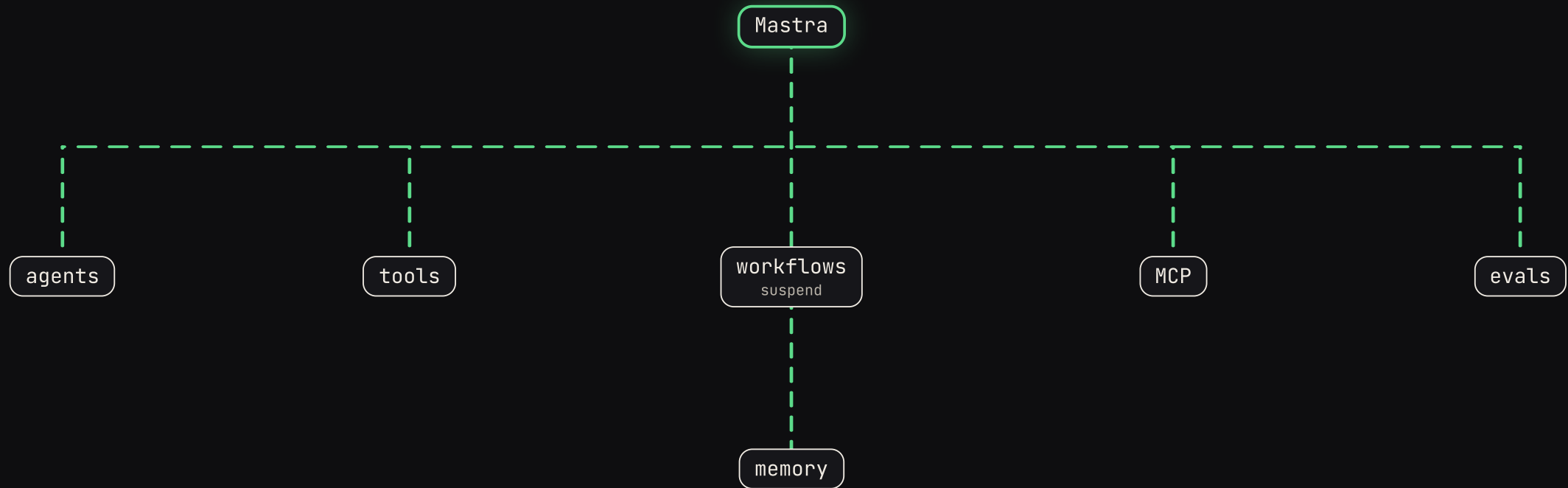
Your UI, not their chat tab

Tools and MCP you control

Memory you own

MASTRA

You own the whole process.



DEMO



NOT IN THE DEMO

There is more you can do.

Mastra Client, your own UI

Model fallbacks across providers

Semantic recall / RAG

Deploy as a server

Channels and voice

```
model: {  
  id: "ollama/llama3.2",  
  url: "http://localhost:11434/v1",  
}
```

This repo uses openai/gpt-5-mini. LM Studio works the same at :1234/v1.

Thank you



GitHub



LinkedIn

[Download PDF](#)