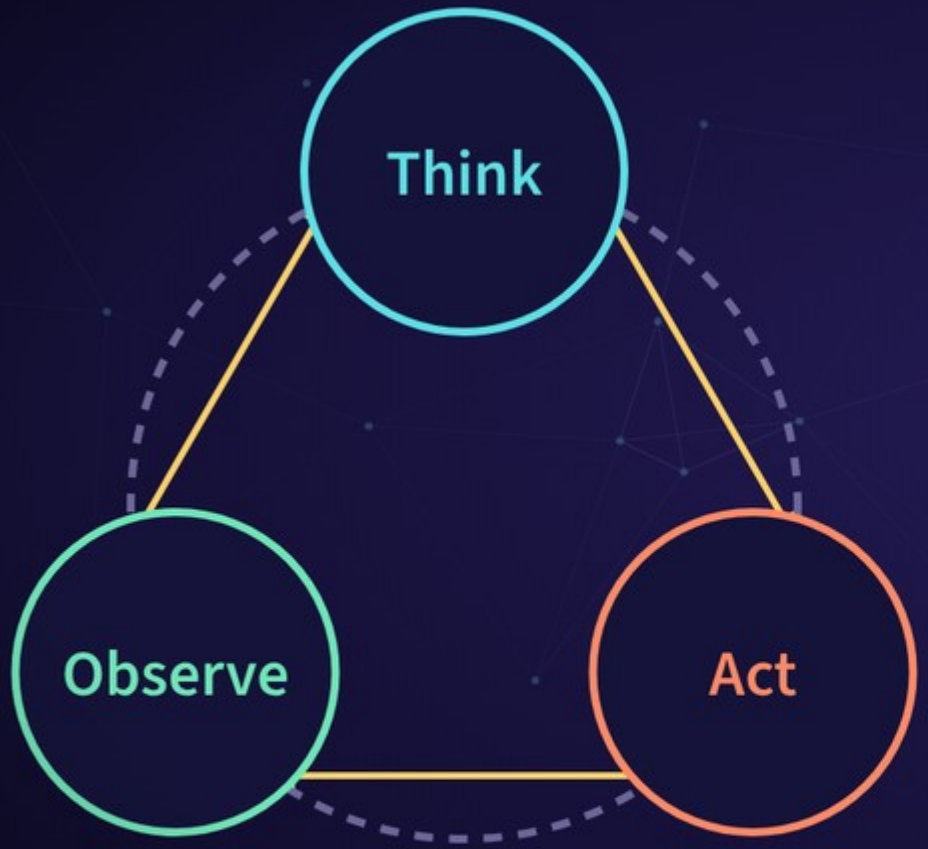
@MyWebUniversity

#8

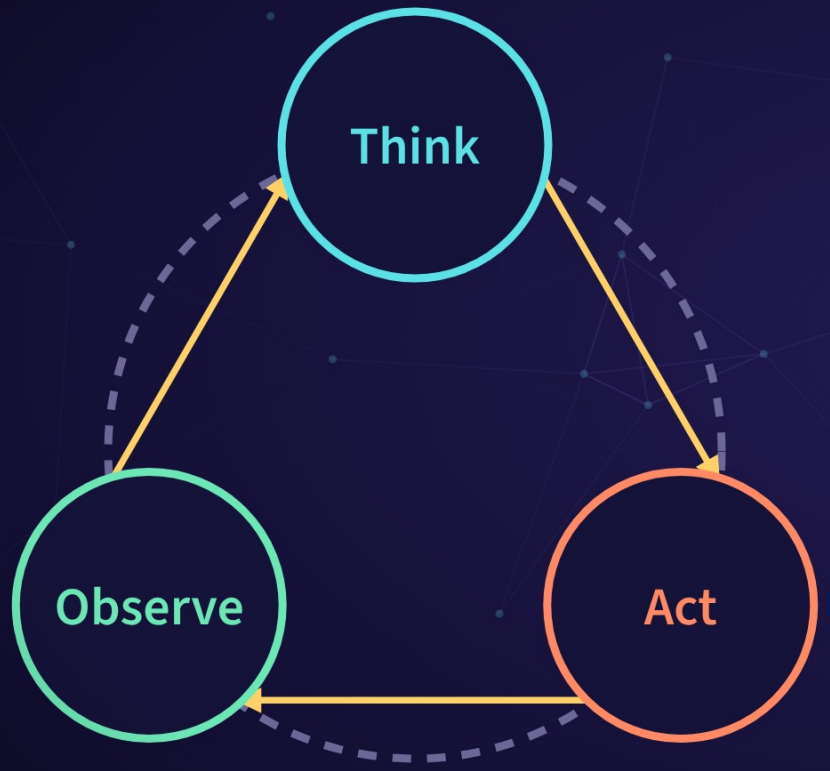


AGENT

vs

Prompt AI

AI EXPLAINED · A FREE SERIES FOR STUDENTS AND DEVELOPERS



A MYWEBUNIVERSITY SERIES

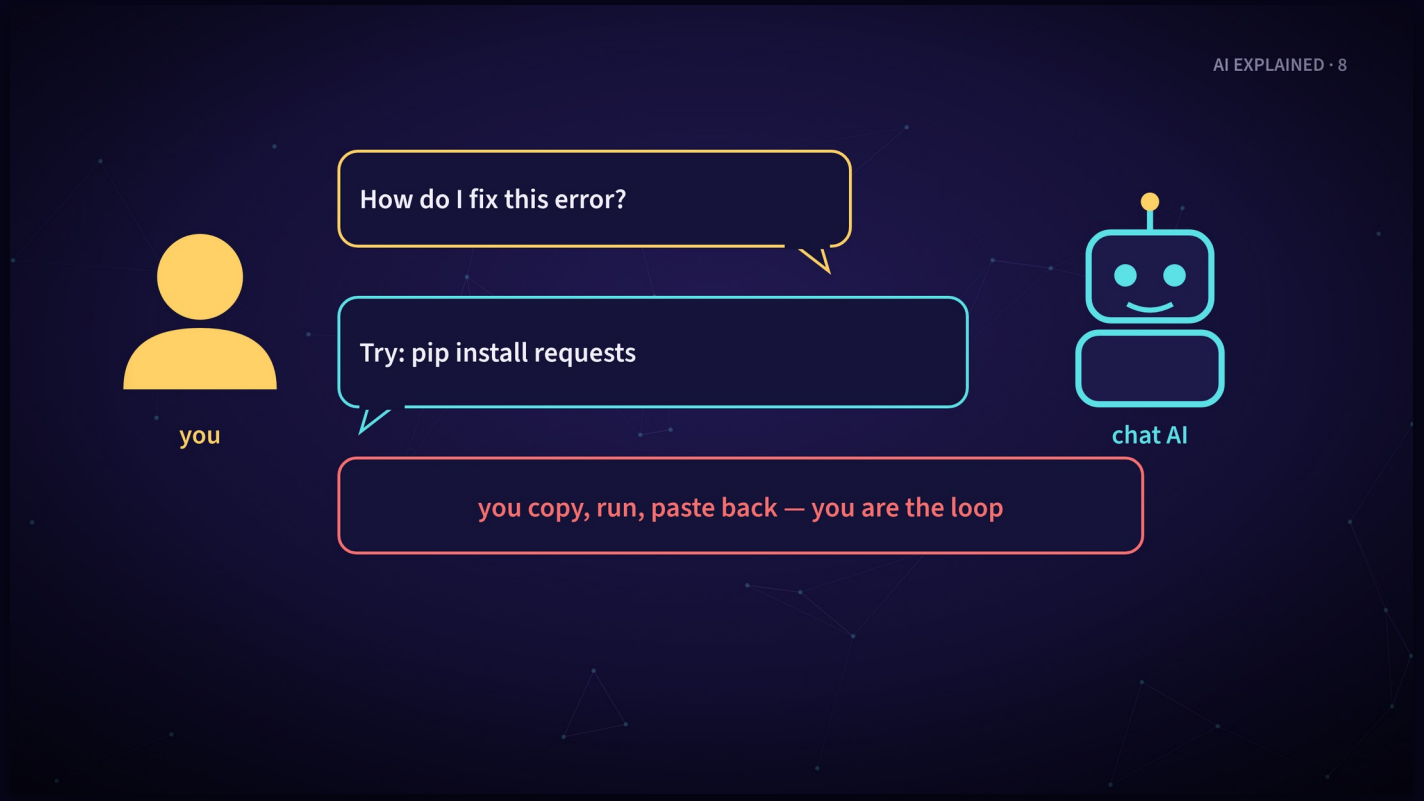
AI EXPLAINED

EPISODE 8

Prompt AI vs Agentic AI

chatbots answer · agents act

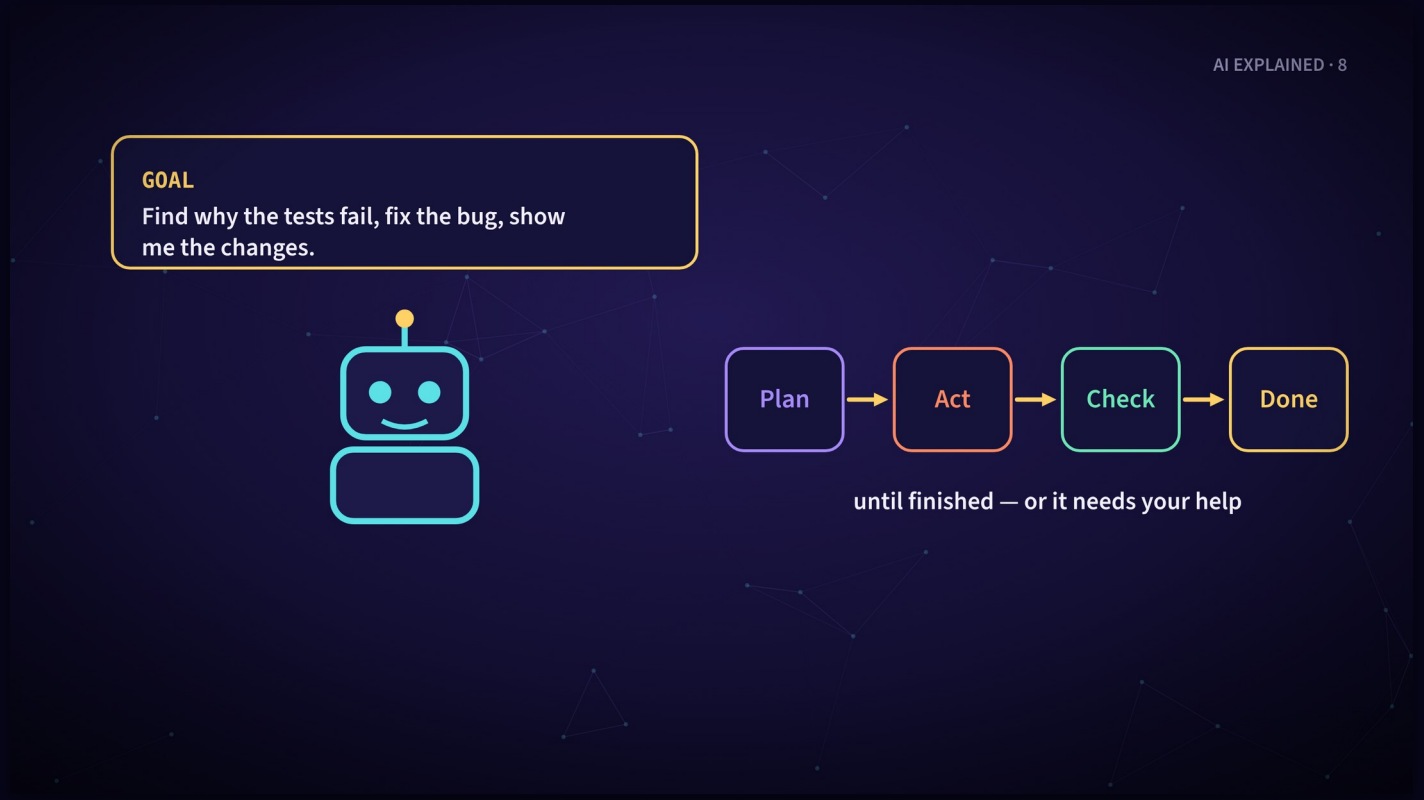
Prompt AI: Ask and Answer



- One question → one answer
- Text only; you run everything
- You are the loop

01

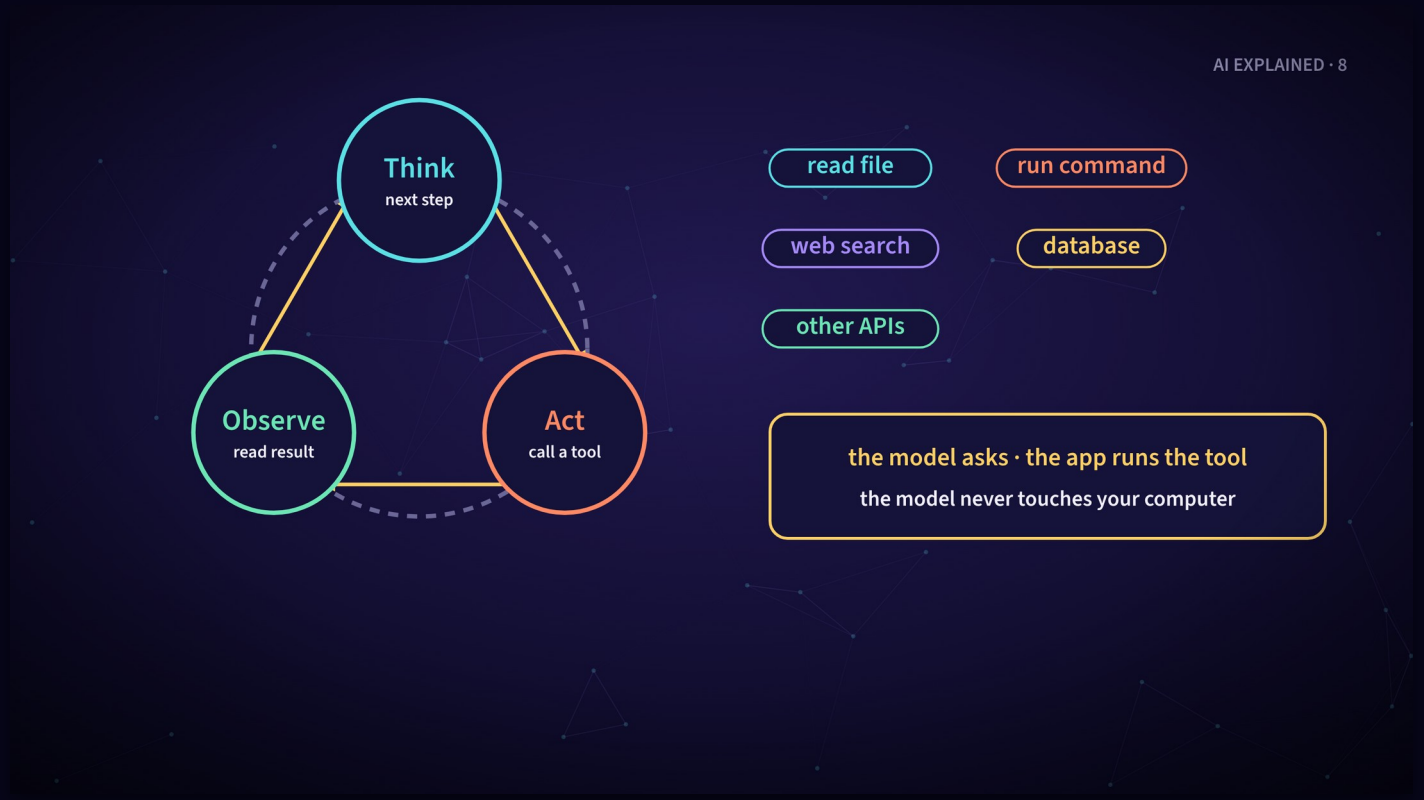
Agentic AI: Give It a Goal



- Give a goal, not a question
- Plans, acts with tools, checks results
- Stops when done or when it needs you

02

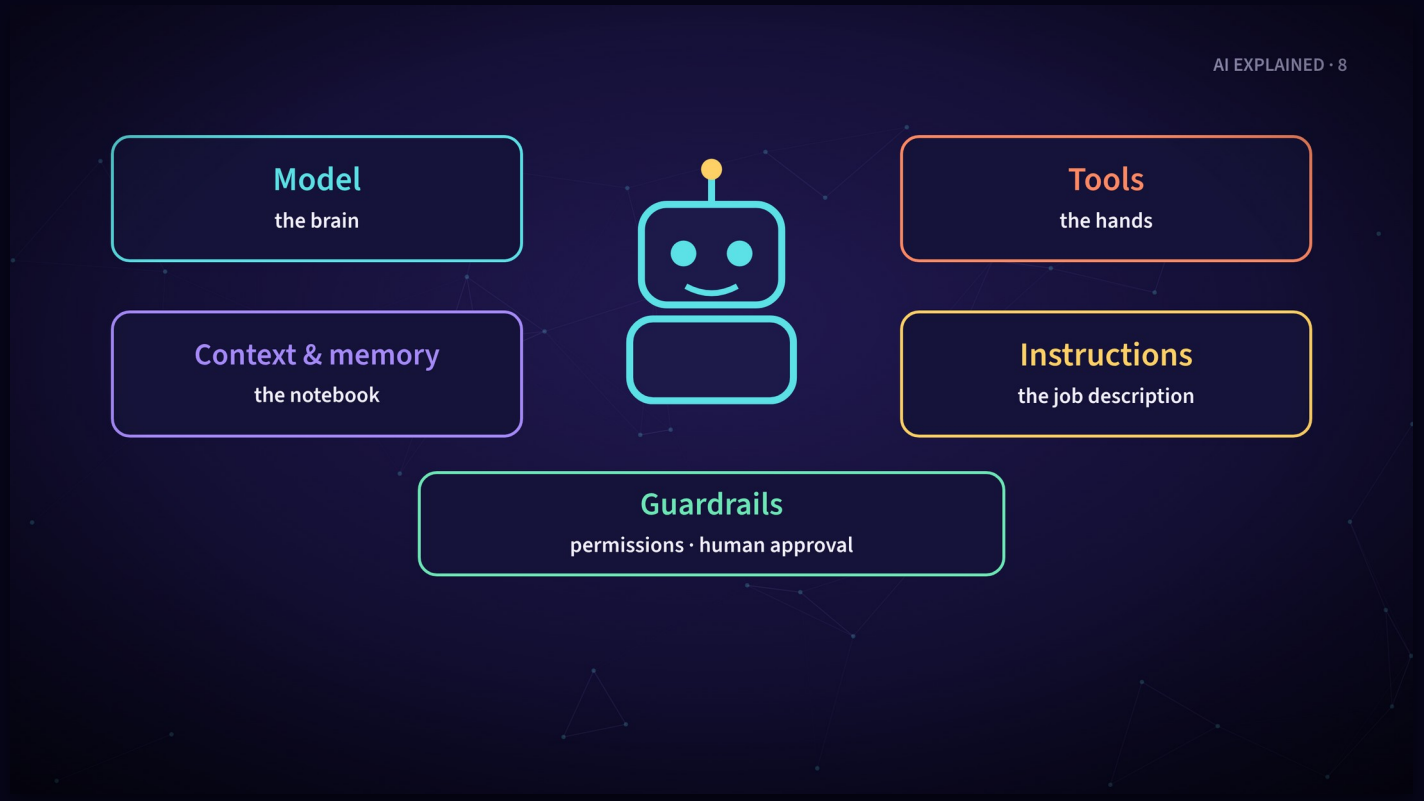
The Agent Loop



- Think → Act (tool) → Observe → repeat
- Tools: files, terminal, web, databases, APIs
- The app runs tools, not the model

03

The Parts of an Agent



- Model = brain · Tools = hands
- Context & memory = notebook
- Instructions + guardrails (permissions)

04

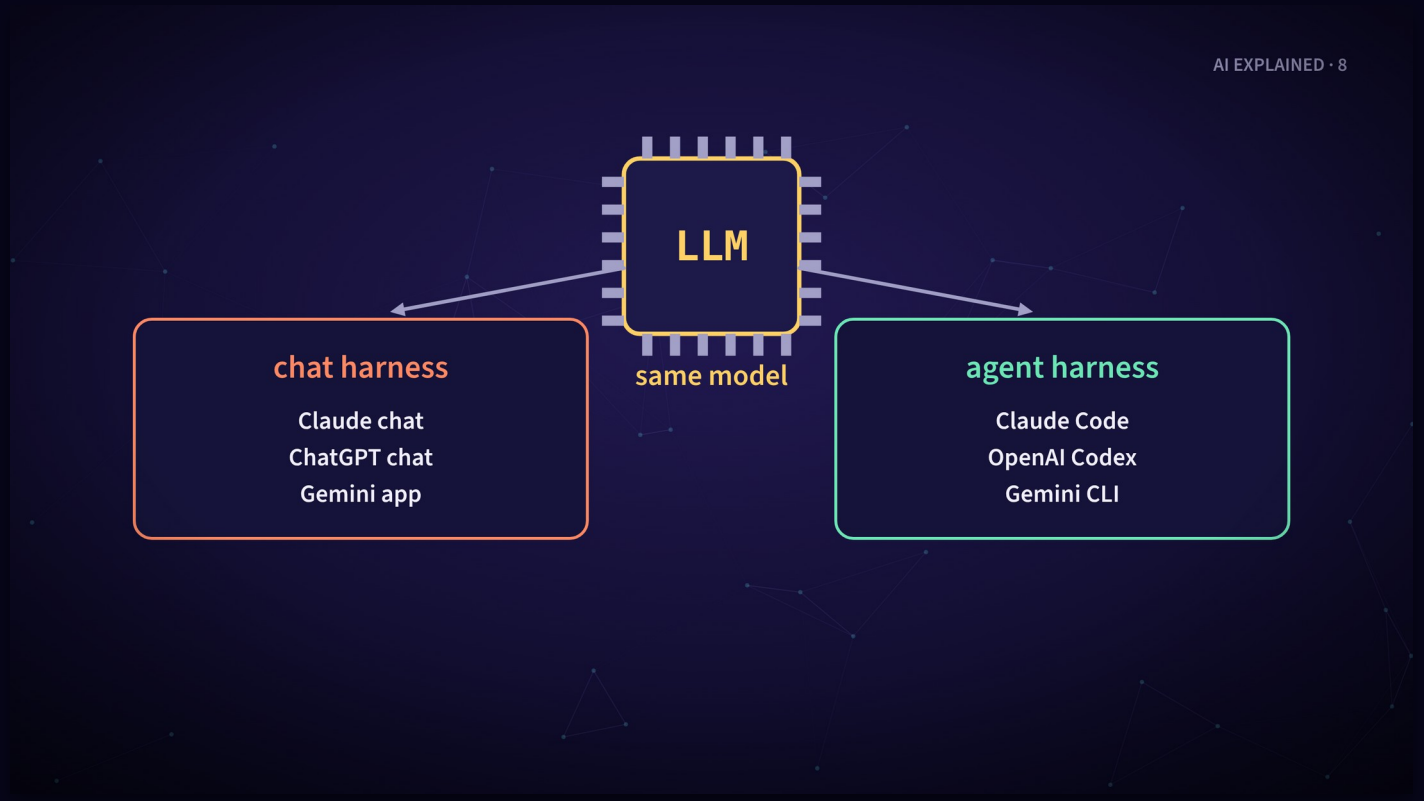
Side by Side: Fixing a Bug



- Prompt AI: copy, paste, run, repeat
- Agent: read → test → edit → retest → report

05

Same Model, Different Harness



- Same LLM, different harness
- Claude chat vs Claude Code
- GPT + Codex · Gemini + CLI agent

06

When to Use Each



- Prompt AI: questions, writing, learning
- Agentic AI: multi-step work on files and systems

07

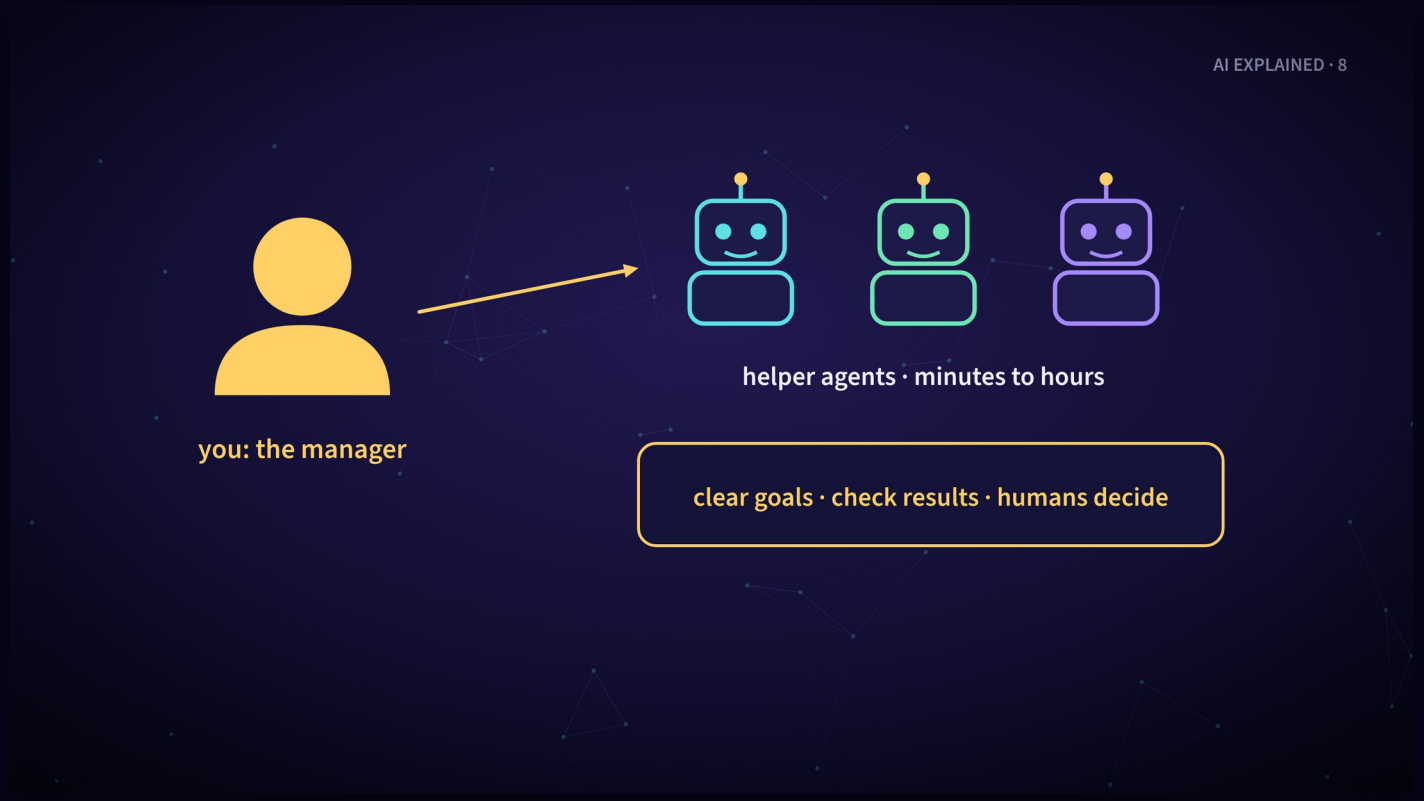
Agents Need Guardrails



- Ask-before-acting permissions
- Version control, review, sandbox, no secrets
- Prompt injection

08

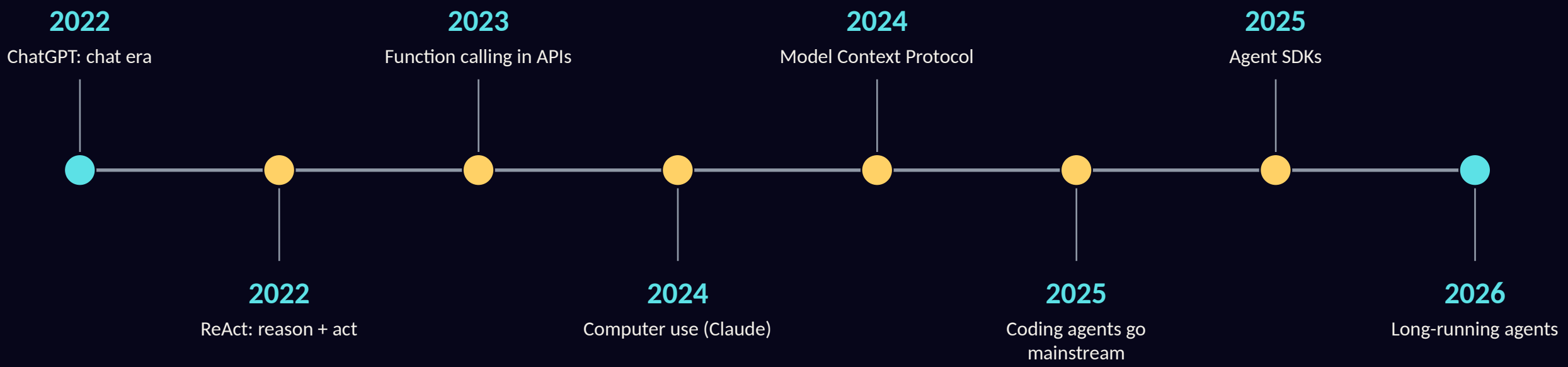
From Assistant to Teammate



- From answering to doing
- Long tasks, helper agents
- Humans stay in charge

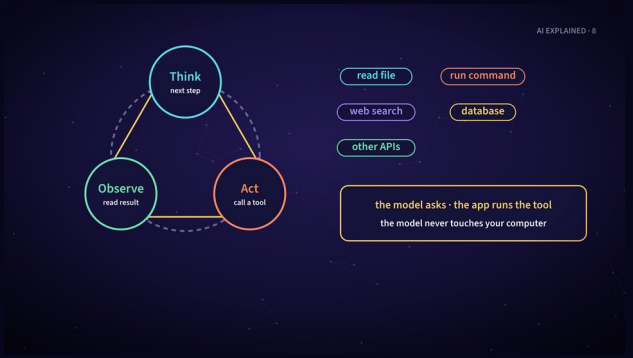
09

Timeline: 2022 to 2026



Sources and Further Reading

1. Yao et al., “ReAct: Synergizing Reasoning and Acting in Language Models,” 2022
2. Anthropic, “Building effective agents,” 2024 — anthropic.com/engineering
3. Anthropic tool use docs — platform.claude.com/docs/en/agents-and-tools/tool-use/overview
4. Model Context Protocol — modelcontextprotocol.io
5. OWASP Top 10 for LLM Applications — excessive agency, prompt injection





Thank you for watching

MyWebUniversity.com

Free technical education since 2000 — English and Dari

@MyWebUniversity · @MyWebUniversity-Dari