



Popular Agent Frameworks

The rise of AI agents has led to powerful frameworks designed to simplify development and orchestration. In this presentation, we'll explore LangChain, Autogen, CrewAI, MetaGPT, and more—analyzing their architecture, use cases, and how they empower multi-agent collaboration, tool integration, and real-world automation.

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Popular Agent Frameworks

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Framework / Strategy	Developer / Origin	Agent Type / Style	Key Features	Best For	Open Source?
LangChain	LangChain AI	Tool-using ReAct agents	Integrates tools, memory, chains, vector DBs, prompt templates	Rapid prototyping, LLM apps, document Q&A	Yes
LangGraph	LangChain AI	Graph-based stateful agents	Node-based visual logic, memory persistence, loops, branching logic	Complex workflows, multi-agent systems	Yes

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AutoGen	Microsoft	Multi-agent conversational framework	Autonomous agents with inter-agent messaging and task planning	Research assistants, collaborative agents	✓ Yes
CrewAI	Community-led (Open Source)	Role-based team agents	Assigns tasks to specialized agents (e.g., writer, researcher, reviewer)	Project-based multi-agent collaboration	✓ Yes
MetaGPT	DeepSeek AI	Hierarchical multi-agent system	Software engineering roles (CEO, CTO, Engineer), SOP-driven behavior	Auto-code generation, large team workflows	✓ Yes

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SuperAgent	Community	Task-based, extendable agent system	Modular toolkit with tools, memory, vector DB, UI integrations	Building real-world SaaS agents	Yes
OpenAgents	Berkeley AI Research (BAIR)	User-facing task agents with tools	Agent APIs, OpenAI plugin support, dataset integration	Web-based task agents with tool usage	Yes

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