

Recap of Building your First AI Agent with LangGraph Course

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Building your First AI Agent with LangGraph

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Introduction to LangGraph

Instructor

Lucas Soares

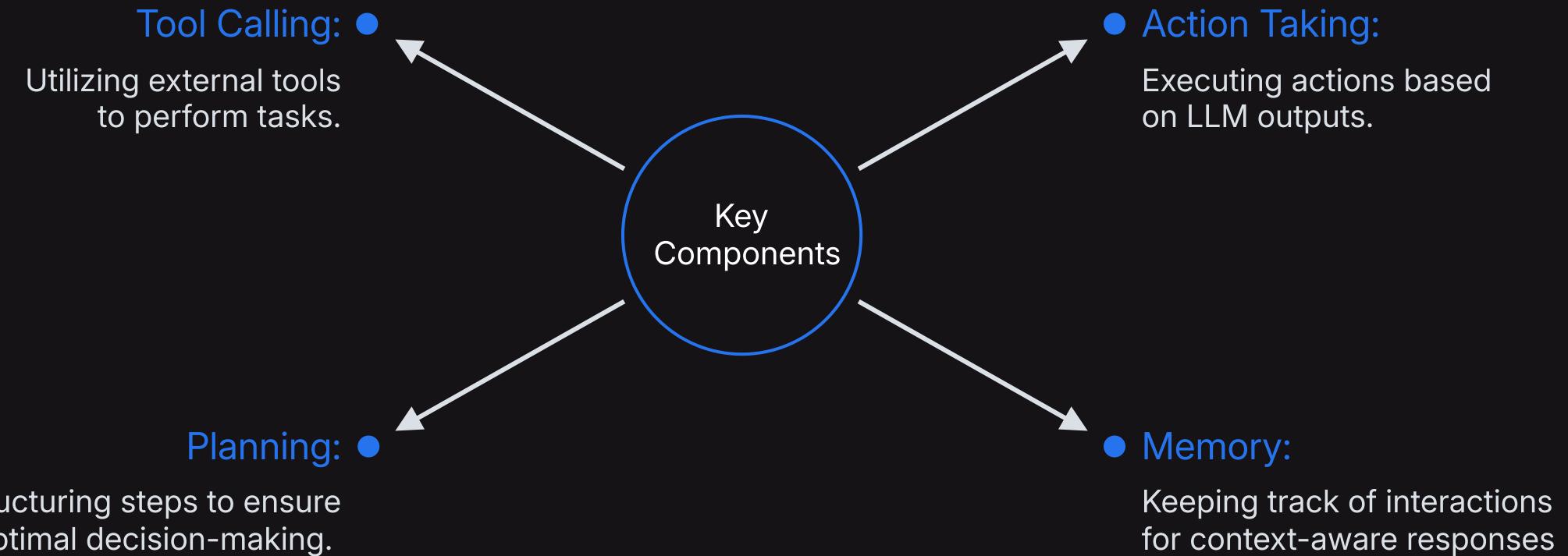
AI Engineer at Otovo
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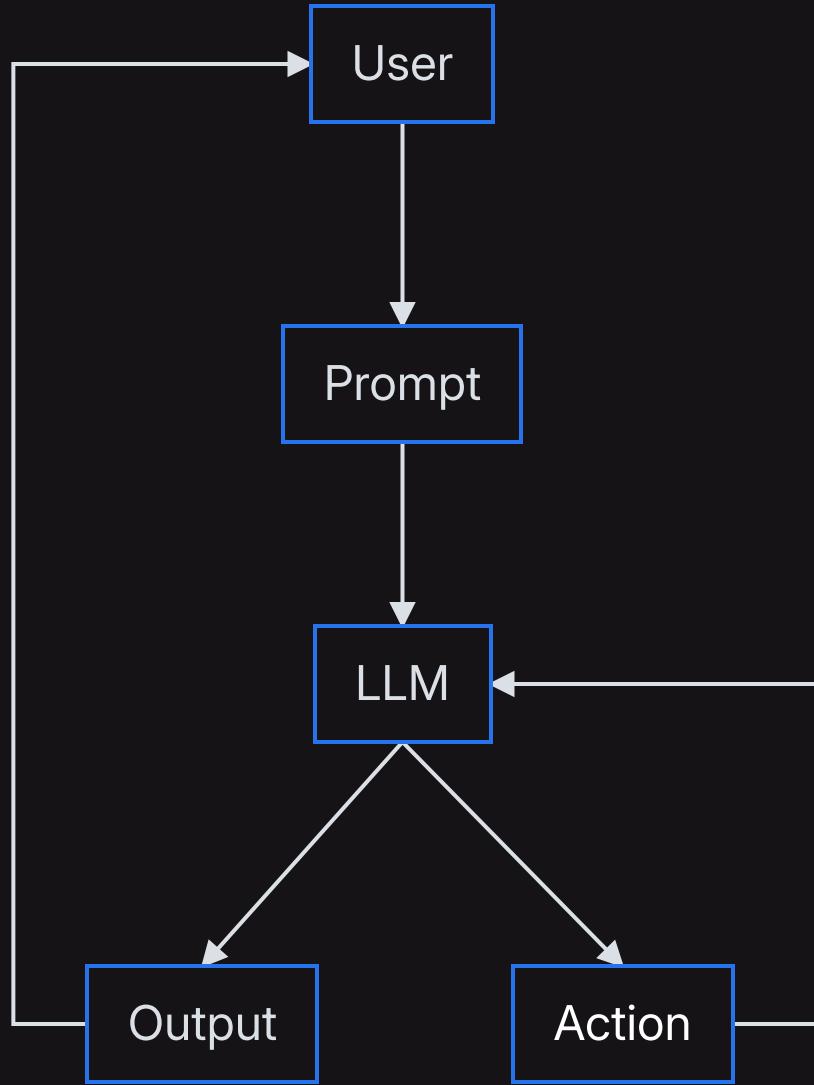
0 DISCUSSIONS

Key Components of Agentic Systems



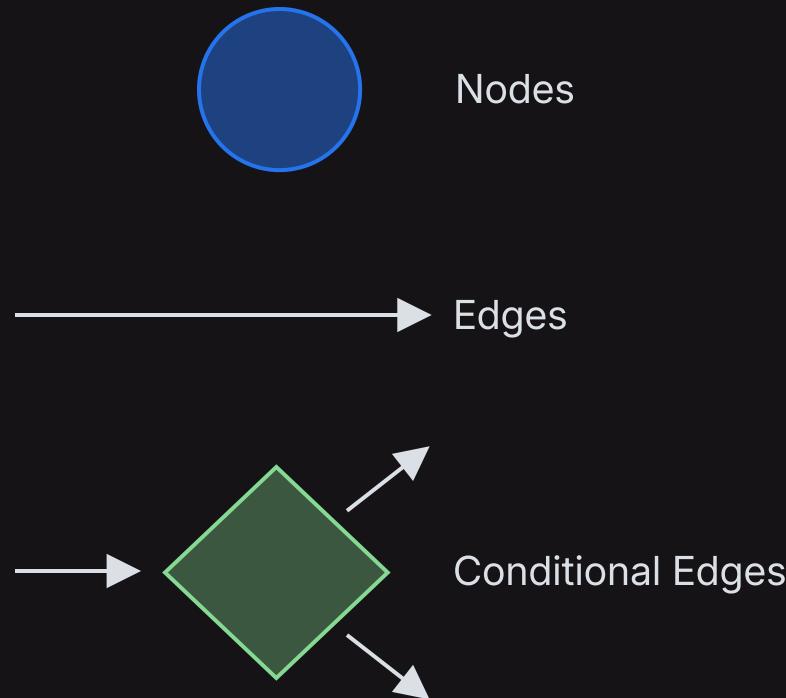
Agent as Graphs

Workflows built with agents are usually structured as graphs



Basic Components of LangGraph

LangGraph models agent workflows as graphs:



- **Nodes:**
Python functions that implement the logic of agents, taking the current State as input and returning an updated state.
- **Edges/Conditional Edges**
Functions that implement fixed/conditional transitions to determine which Node to execute next based on the current state.

States in LangGraph

Graphs in LangGraph are driven by:

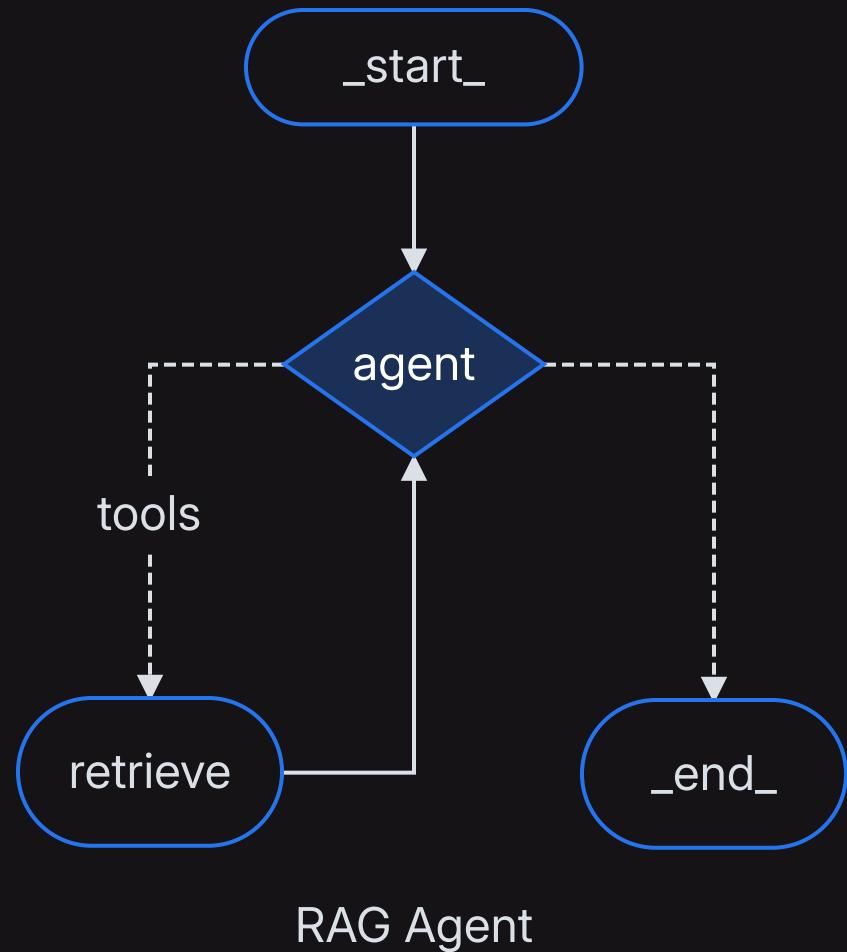
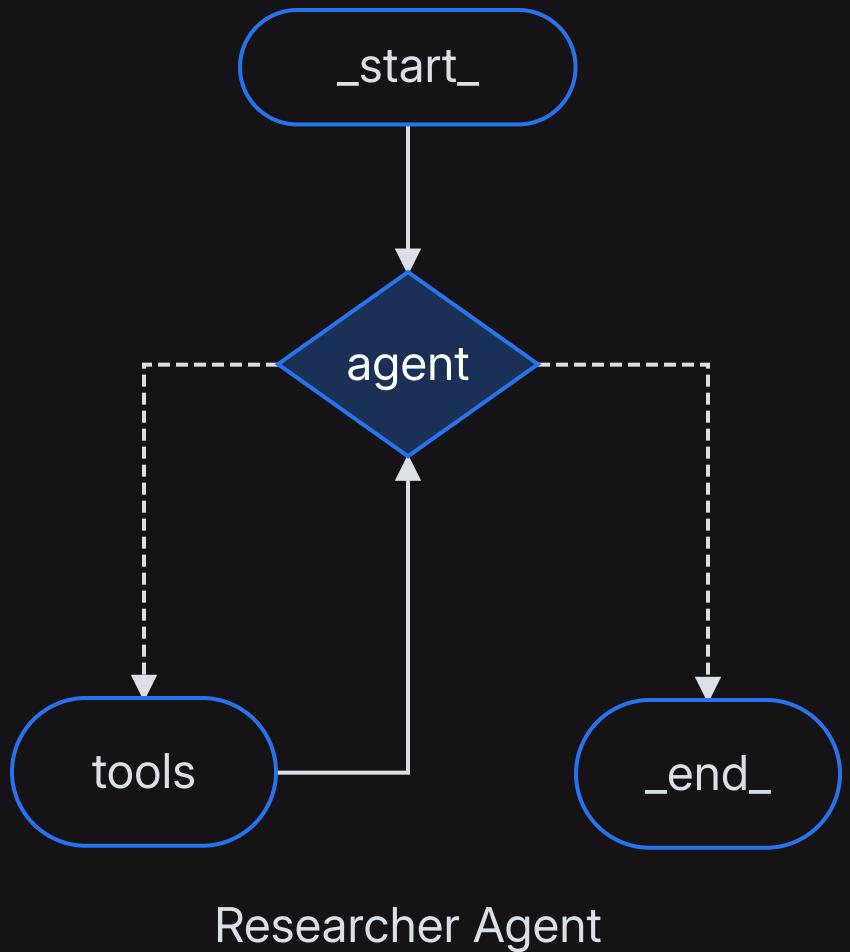
- **States**

Shared data structures that evolve over time as Nodes execute and pass messages along Edges.

- **Message Passing**

Nodes send messages to activate other Nodes, facilitating the execution of workflows in discrete iterations or "super-steps".

Key AI Agents Built



Thanks