

What is LangChain

Zoomed to fill

29 January 2025

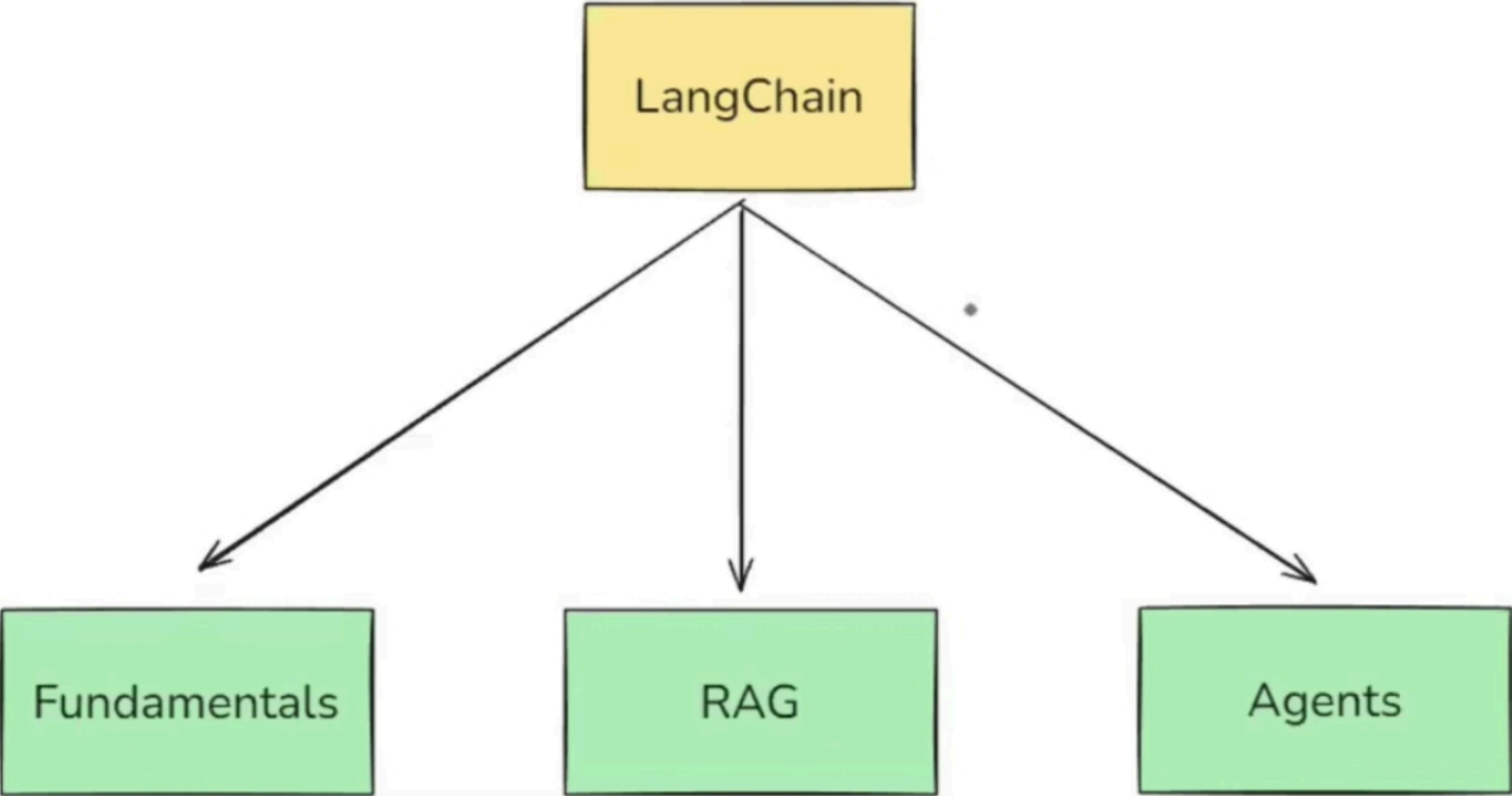
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LangChain is an open source framework that helps in building LLM based applications. It provides modular components and end-to-end tools that help developers build complex AI applications, such as chatbots, question-answering systems, retrieval-augmented generation (RAG), autonomous agents, and more.

1. Supports all the major LLMs
2. Simplifies developing LLM based applications
3. Integrations available for all major tools
4. Open source/Free/Actively developed
5. Supports all major GenAI use cases

Curriculum Structure

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LangChain Roadmap

1. Fundamentals

- a. What is LangChain
- b. LangChain Components
- c. Models
- d. Prompts
- e. Parsing Output
- f. Runnables & LCEL
- g. Chains
- h. Memory

2. RAG

- a. Document Loaders
- b. Text Splitters
- c. Embeddings
- d. Vector Stores
- e. Retrievers
- f. Building a RAG application

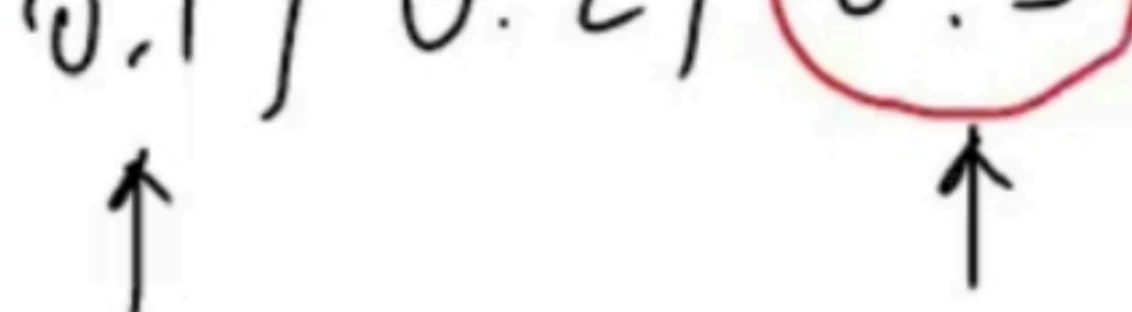
My Focus

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1. Updated information
2. Clarity
3. Conceptual understanding
4. The 80 percent approach

0.1 / 0.2 / 0.3



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Why do we need...

Benefits

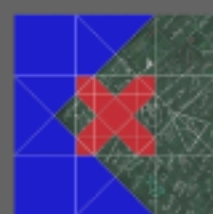
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Alternatives

What is LangChain

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LangChain is an open-source framework for developing applications powered by large language models (LLMs).



Why do we need LangChain - OneNote

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Why do we need LangChain

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2014

Ebook Mafia

Ebook Mafia

Chat

ML

Example Queries

1. Explain page number 5 as if I am a 5 year old

2. Generate a True False exercise on Linear Regression

3. Generate notes for Decision Trees

