Introduction to Langfuse

Instructor

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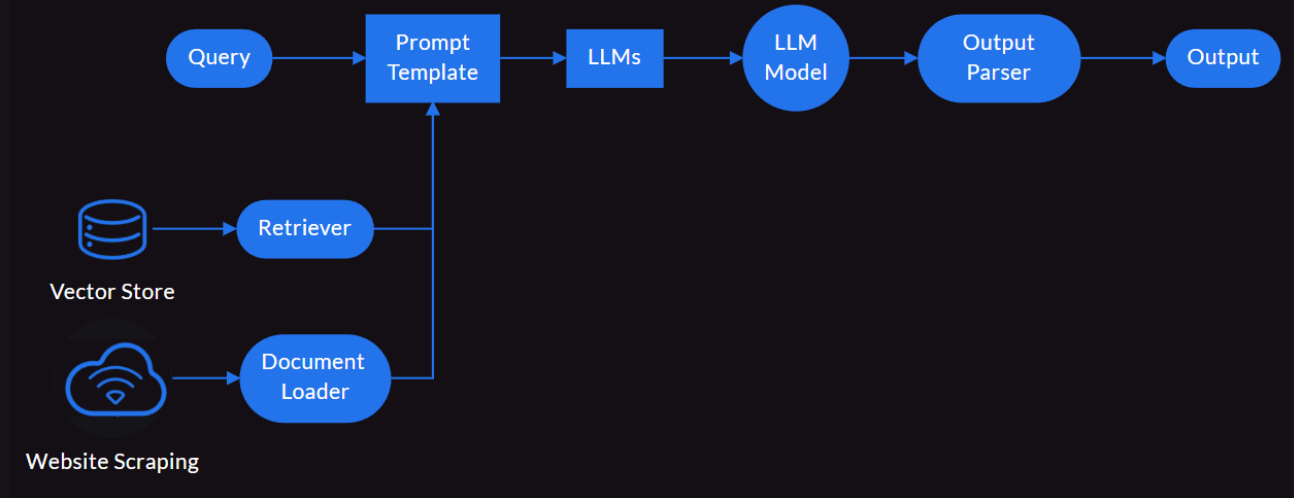Open source contributor

Introduction to Langfuse

- LLM Engineering Platform

- Open Source with 4.7k+ stars on Github

- Available as a paid cloud solution or self-hosted

- Can be used as an SDK in Python or Javascript

- Integrations with third party APIs like LlamaIndex and LangChain

- REST APIs also available

Why do we need Langfuse ?

- For a single LLM application in production, we need to
  - Debug issues in production
  - Analyze and iterate on multiple solutions
  - Monitor the performance in production
  - Continuously run tests and create new releases

- Multiple teams need to research and collaborate on multiple projects

- Multiple LLM applications need to be released and maintained at the same time

Langfuse ecosystem

Develop

- Track LLM calls and other app logic
- Supports APIs, SDK and 3rd party libraries
- Langfuse UI: inspect and debug calls
- Prompt Engineering with playground
- Prompt Management

Monitor

- Analytics Dashboard: cost, latency, quality
- Evaluation: custom LLM based evals
- Real user feedback with scores and comments

Test

- Datasets: benchmark performance
- Track version and releases

Thank You

Analytics
Vidhya