Updated 12/24/2024

Sign up

Langfuse training

3 days (21 hours)

Presentation

Our Langfuse training course will teach you to master and understand LLM pipelines. Deepen your knowledge and skills in query tracking, cost observation and logging.

During our Langfuse training course, we'll cover best practices cost , improving LLM workflows and connecting to an LLM.

Learn how to create high-performance prompts with LLM tools and integrate them Langfuze, to optimize your production and your costs.

By the end of our training course, you'll have mastered creating prompts, managing your pipelines and understanding your data.

Objectives

- Acquire the necessary knowledge of Lanfuse principles and functions
- Mastering visualization and performance
- Understanding how to set up A/B testing with Langfuse
- Acquire the knowledge needed to optimize and manage production

Target audience

- Developers
- Data Engineers
- UX Team
- Data Scientists
- Big Data developers

Prerequisites

- Knowledge of fundamental concepts in data processing and data engineering
- Understanding of database principles and pipelines

Langfuse Training Program

Introduction to Langfuse

- What is Langfuse?
- Prompt follow-up
- LLM workflow enhancement
- Cost analysis
- Overview of key features
- Installation and initial configuration
- Connection to LLMs such as OpenAI or Anthropic

Langfuse Technical Management

- Langfuse architecture and principles
- Collects, stores and analyzes data
- SDK and API
- dashboard
- Environment settings
- Access management
- Data security

Data analysis

- Response time
- Visualization and performance
- Adding tags to prompts
- Adding metadata to prompts

Optimizing workflows

- Bottlenecks
- Reduce costs and increase relevance
- Integration with third-party tools
- LangChain
- LlamaIndex
- Export to PostgreSQL databases
- Complex workflow
- Troubleshooting

Deployment, Production follow-up

- Production monitoring
  - Errors
  - Latency
  - Costs
- Push via Slack, Email
- Log structuring
- Sensitive data management

A/B Testing on Prompts

- A/B Testing with Langfuse
- model performance
- metrics to improve interactions
- Integration of results into production workflows
- Iteration automation

Companies concerned

This course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology, or to acquire specific business knowledge or modern methods.

Positioning on entry to training

Positioning at the start of training complies with Qualiopi quality criteria. As soon as registration is finalized, the learner receives a self-assessment questionnaire which enables us to assess his or her estimated level of proficiency in different types of technology, as well as his or her expectations and personal objectives for the training to come, within the limits imposed by the selected format. This questionnaire also enables us to anticipate any connection or security difficulties within the company (intra-company or virtual classroom) which could be problematic for the follow-up and smooth running of the training session.

Teaching methods

Practical course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

Organization

The course alternates theoretical input from the trainer, supported by examples, brainstorming sessions and group work.

Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

Sanction

A certificate will be issued to each trainee who completes the course.