



Developing Open LLM applications with Apache OpenServerless

<https://www.nuvolaris.io>



Developing OpenLLM
Applications with
Apache OpenServerless

Lesson 1

Serverless Functions



1. Serveless Functions

- Enviroment Setup
- Serverless Functions
- Submitting a Form
- Sample: post generator



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Lesson 2

Developing Chatbots



2. Developing Chatbots

- Streaming
- Chat api with roles
- Keeping a State
- Sample: a chatbot



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Lesson 3

RAG and Vector DB



3. RAG and VectorDB

- **Embedding**
- **Vector DB**
- **Sample: Querying a Document**



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Lesson 4

Multimodal input



4. Multimodal input

- **Processing PDF**
- **Processing Images**
- **Structured Output**



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Lesson 5

Function Calling



5. Function Calling

- **Function calling**
- **Using serverless**
- **Sample: kubegpt**



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Lesson 6

Serverless GPU



6. Serverless GPU

- GPU functions
- Sample: generating images