

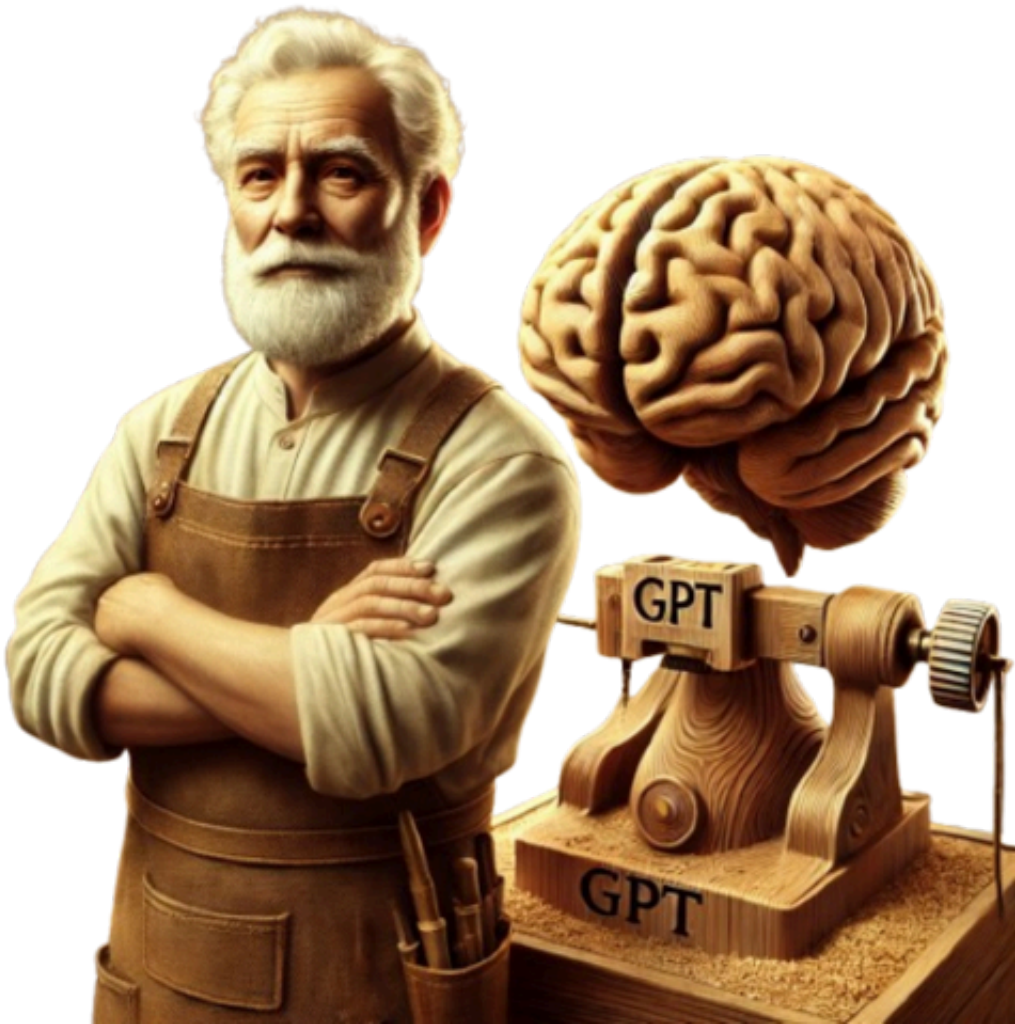


Developing Open LLM applications with Apache OpenServerless

Lesson 1

A simple chat

1. A simple chat



Required environment

- NodeJS

- required to run the frontend

- Pinocchio

- the user interface

- Python and **ops** clin

- installed automatically

Installing **nodejs** using **fnm** 1/2

- Linux/Mac:

```
curl -fsSL https://fnm.vercel.app/install | bash
source /home/msciab/.bashrc
fnm use --install-if-missing 22
```

Test

```
$ node -v
v22.12.0
$ npm -v
10.9.0
```

Installing **nodejs** using **fnm** 2/2

- Windows:

```
winget install Schniz.fnm  
fnm env --use-on-cd | Out-String | Invoke-Expression  
fnm use --install-if-missing 22
```

Test

```
$ node -v  
v22.12.0  
$ npm -v  
10.9.0
```

Installing **ops** and **pinocchio**

```
git clone https://github.com/mastrogpt/pinocchio  
cd pinocchio  
npm install
```

