

# Thermo X

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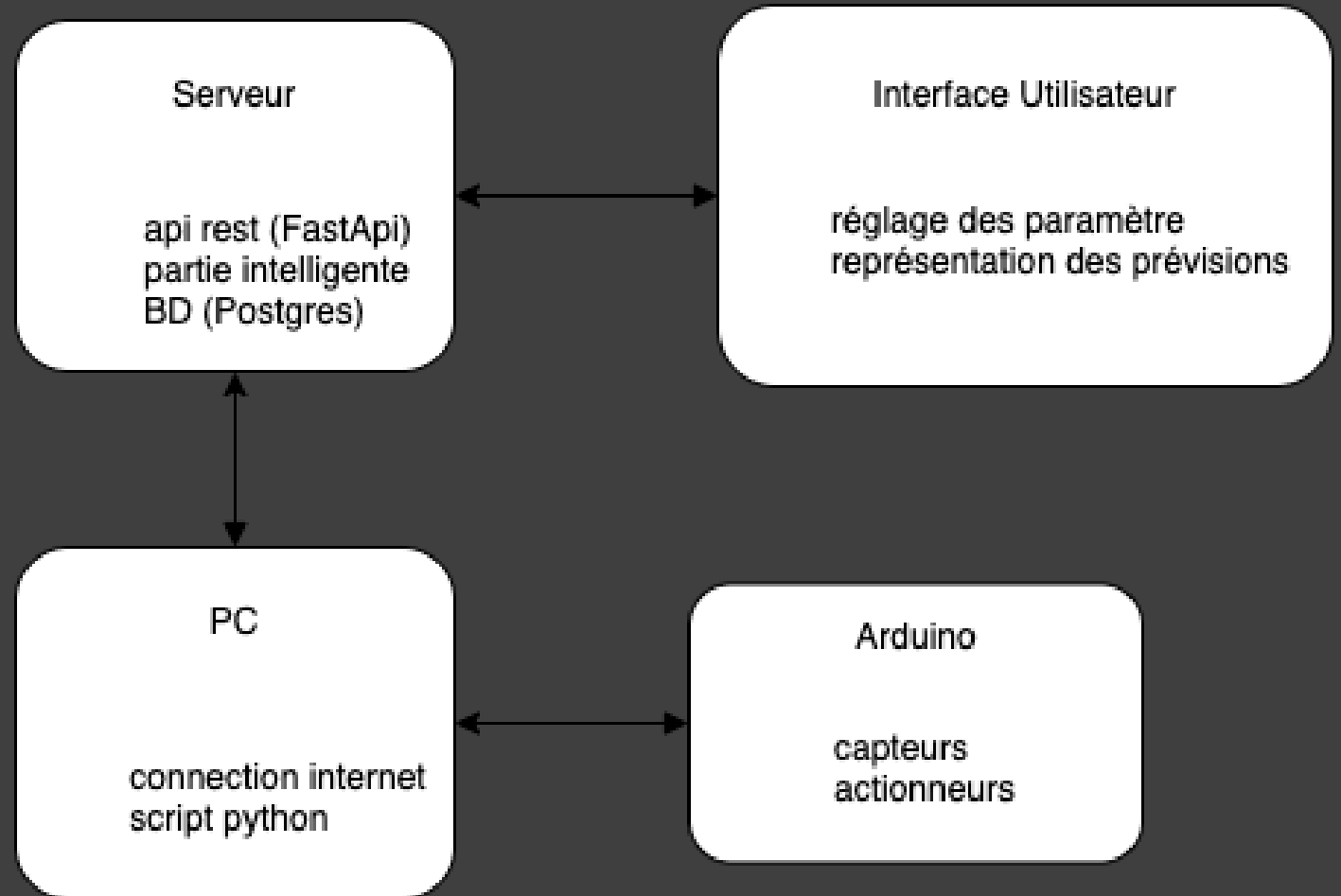
TREGER Pauline

# Sommaire

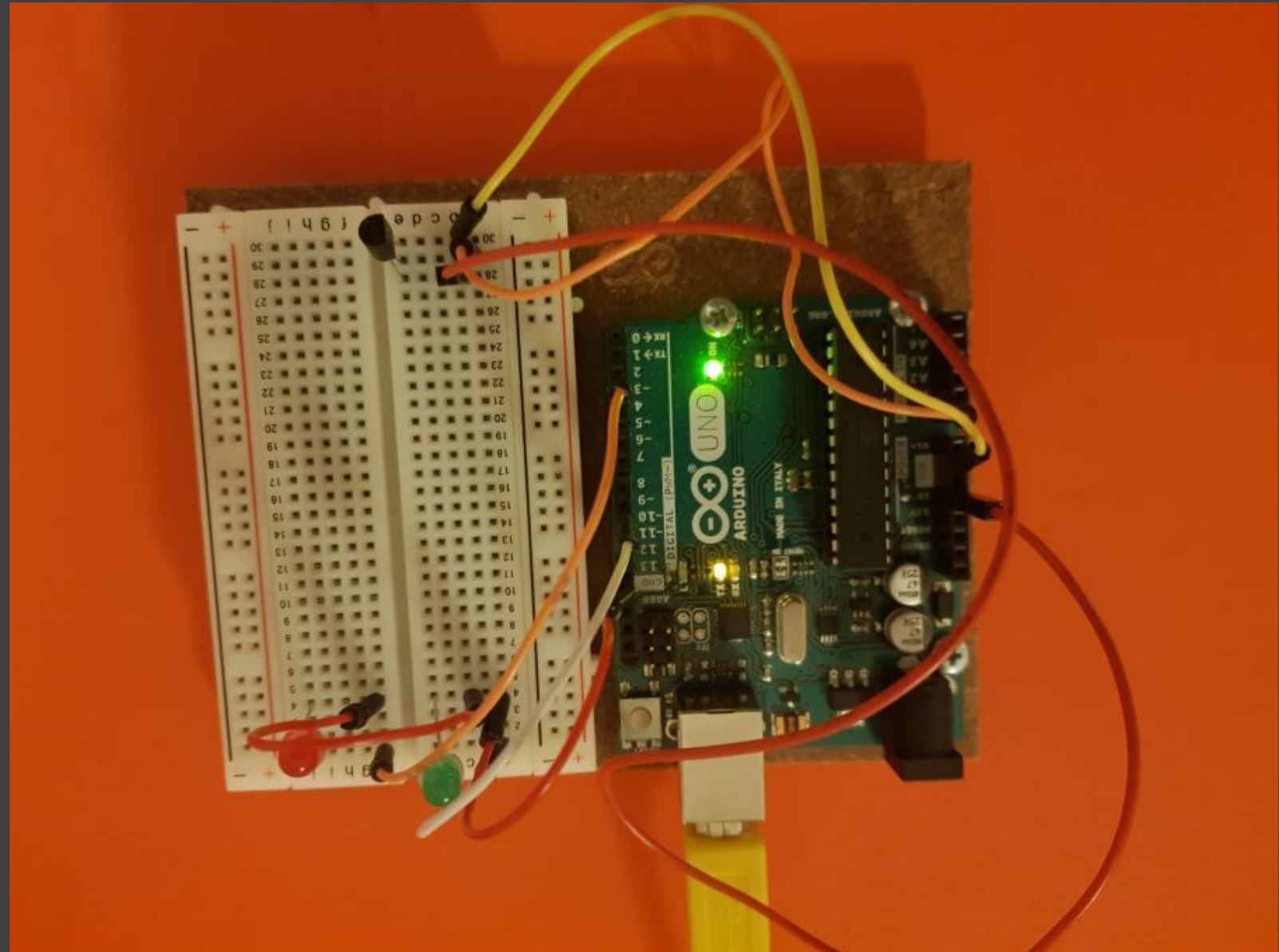
- Architecture Logicielle
- Arduino
- Intelligence Artificielle
- Back – API Rest
- Front – React JS



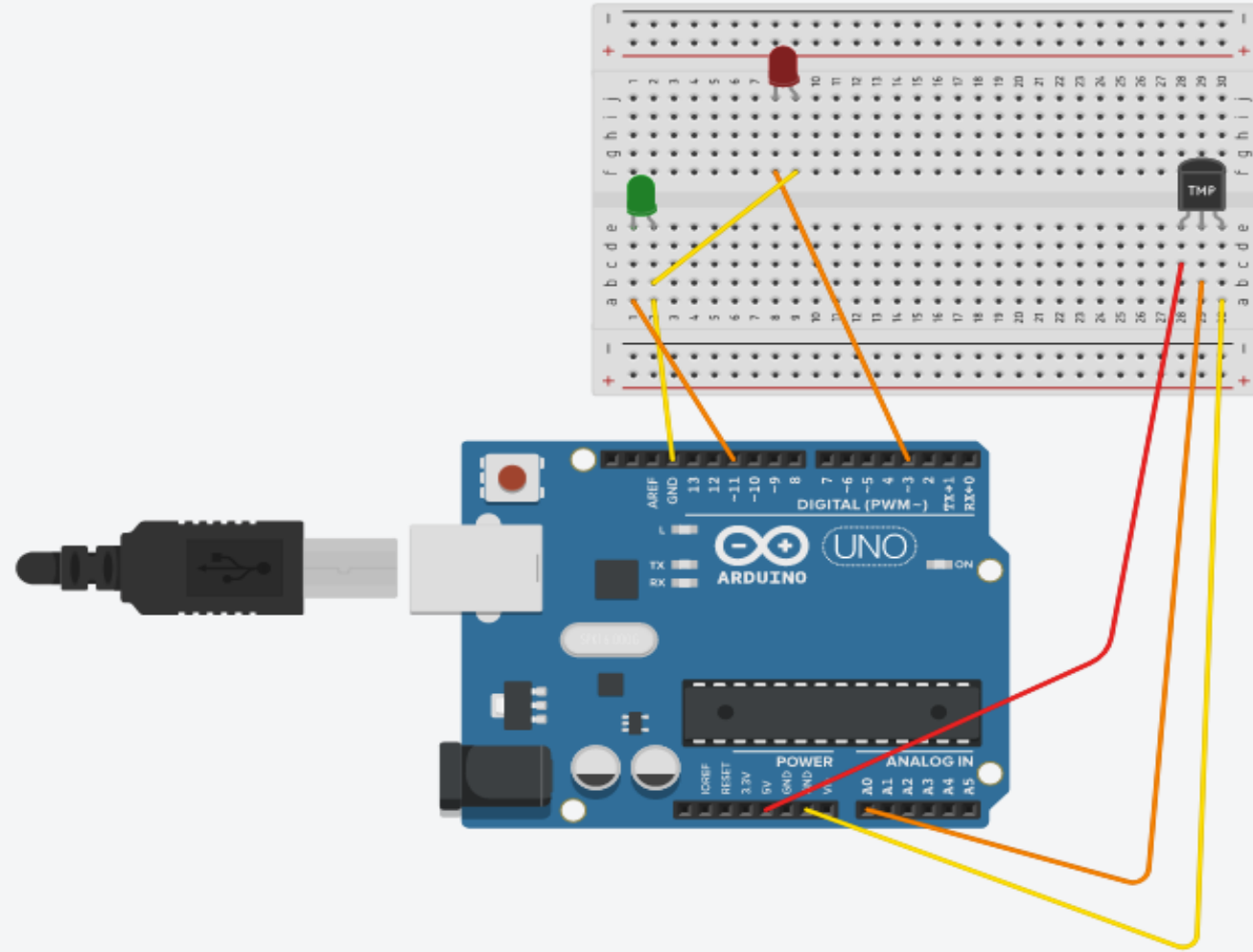
# Architecture Logicielle



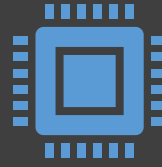
# Arduino



# Arduino



# Intelligence Artificielle



Implémenter des systèmes sans  
présupposés ontologiques



Sans objectifs prédéfinis



Avec une validation par l'usage

# Intelligence Artificielle



Ecologique



Sauvegarde l'état



Renvoie l'action à effectuer

# Intelligence Artificielle

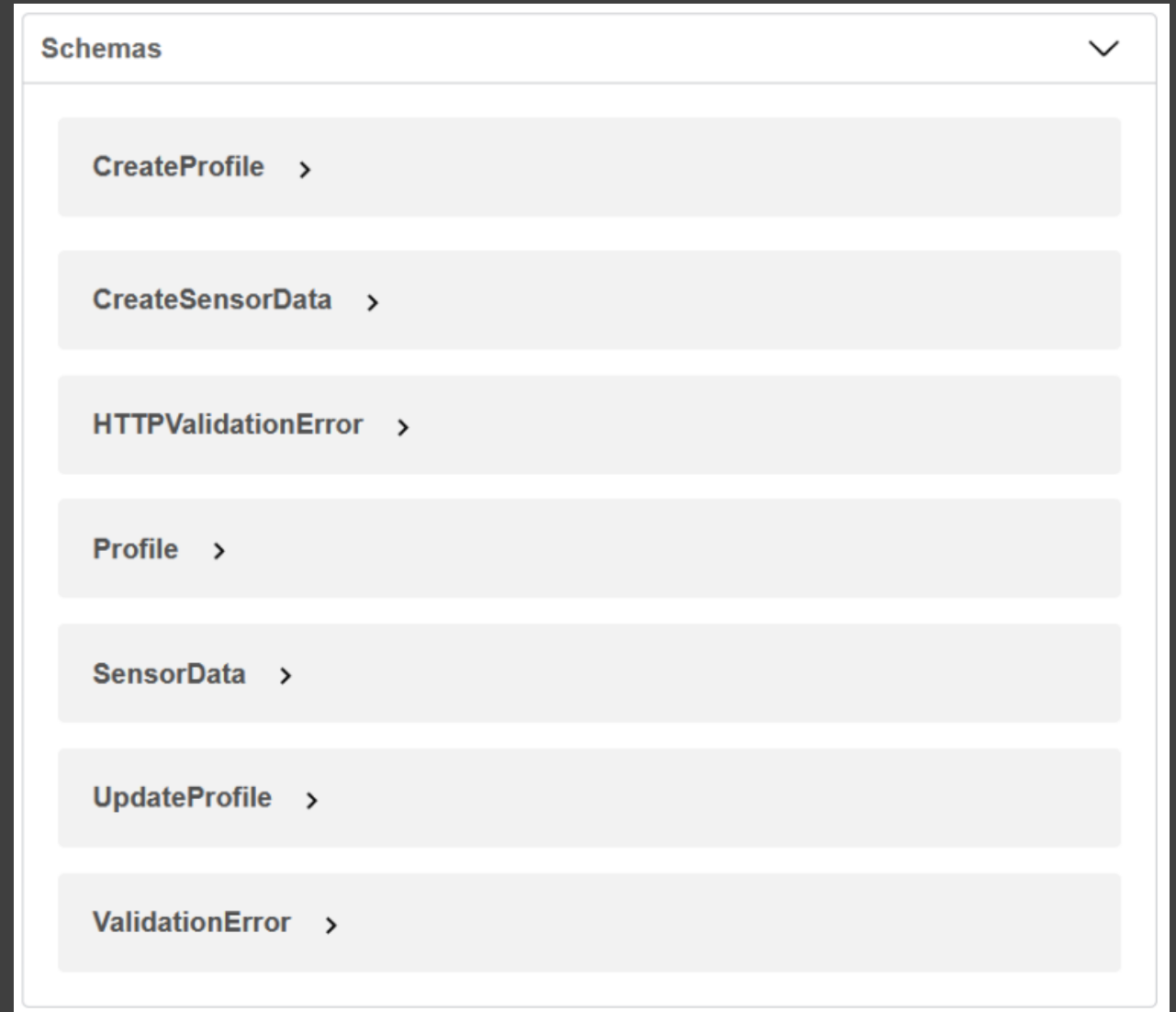
```
(controller) → controller git:(master) x python arduino.py
sending: {'temperature': 19}
{'action': 2}
sending: {'temperature': 19}
{'action': 2}
sending: {'temperature': 19}
{'action': 2}
sending: {'temperature': 20}
{'action': 2}
sending: {'temperature': 19}
{'action': 2}
sending: {'temperature': 19}
{'action': 0}
sending: {'temperature': 21}
{'action': 0}
sending: {'temperature': 23}
{'action': 0}
sending: {'temperature': 25}
{'action': 2}
sending: {'temperature': 24}
{'action': 0}
sending: {'temperature': 26}
{'action': 2}
sending: {'temperature': 24}
{'action': 0}
sending: {'temperature': 25}
{'action': 2}
```



# Back – API Rest

default			▼
GET	/weather/{city}	Get Weather Forecast	
GET	/profiles/	Get Profiles	
POST	/profiles/	Create Profile	
GET	/profiles/{profile_id}	Get Profile	
PUT	/profiles/{profile_id}	Update Profile	
DELETE	/profiles/{profile_id}	Delete Profile	
GET	/sensors/get/action	Get Sensor Action	
GET	/sensors/	Get Sensor Data	
POST	/sensors/	Create Sensor Data	
GET	/sensors/most_recent	Get Most Recent Sensor Data	

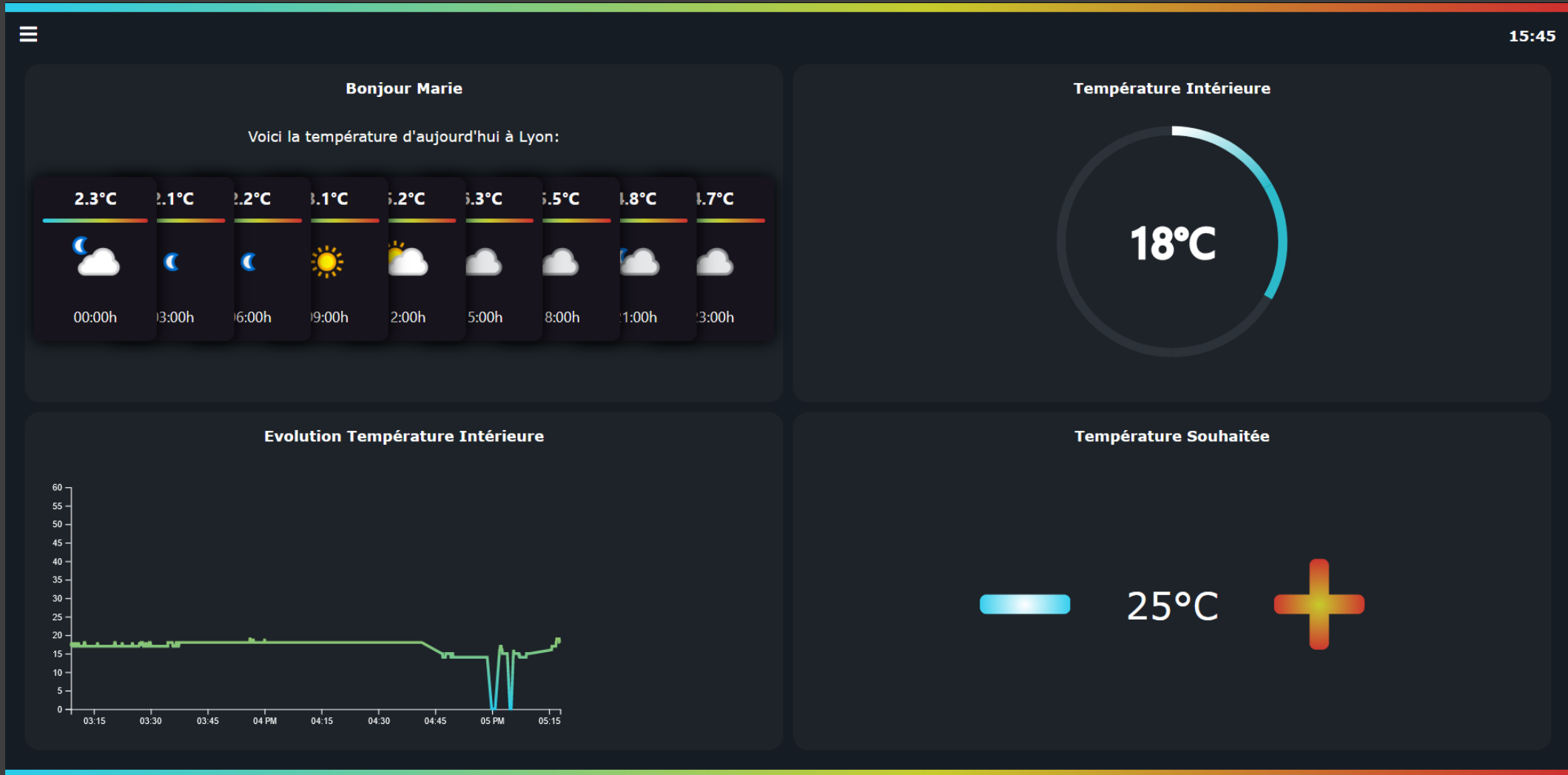
# Back – API Rest



# Front – React JS



# Front – React JS



# Démonstration

Merci pour votre attention