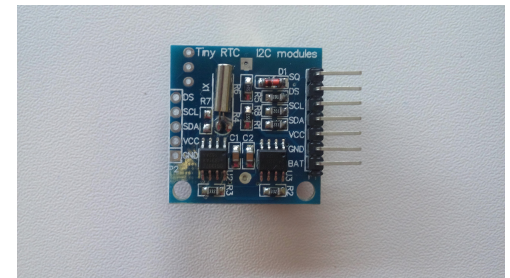
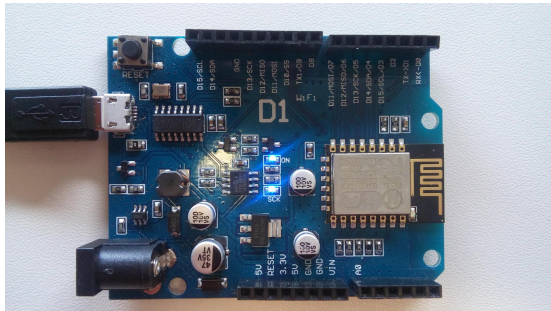
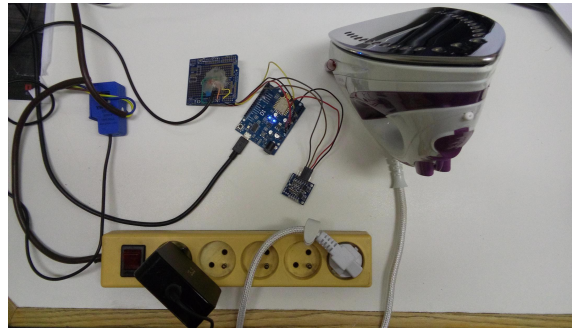
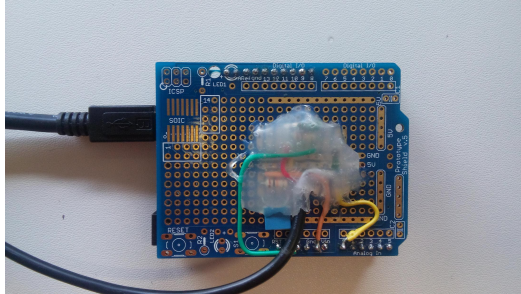


# **Profilage d'appareils électriques avec une pince ampérométrique et une carte ESP8266**

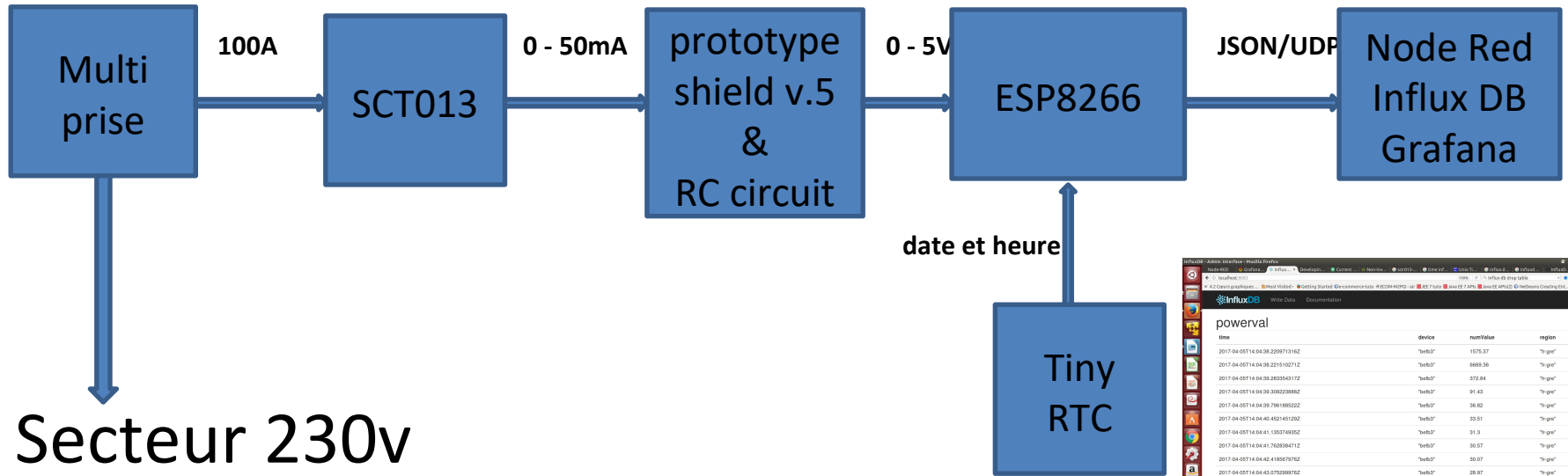
**Ngassam Frank Junior**

**Derue Frédéric**

# Les outils

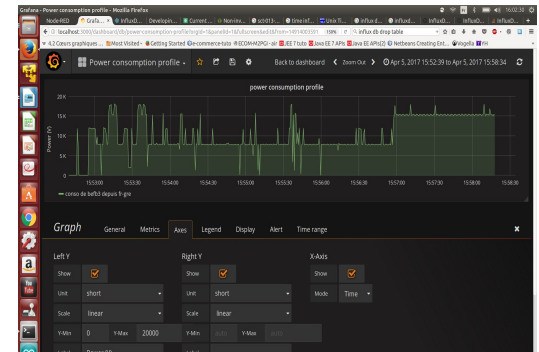


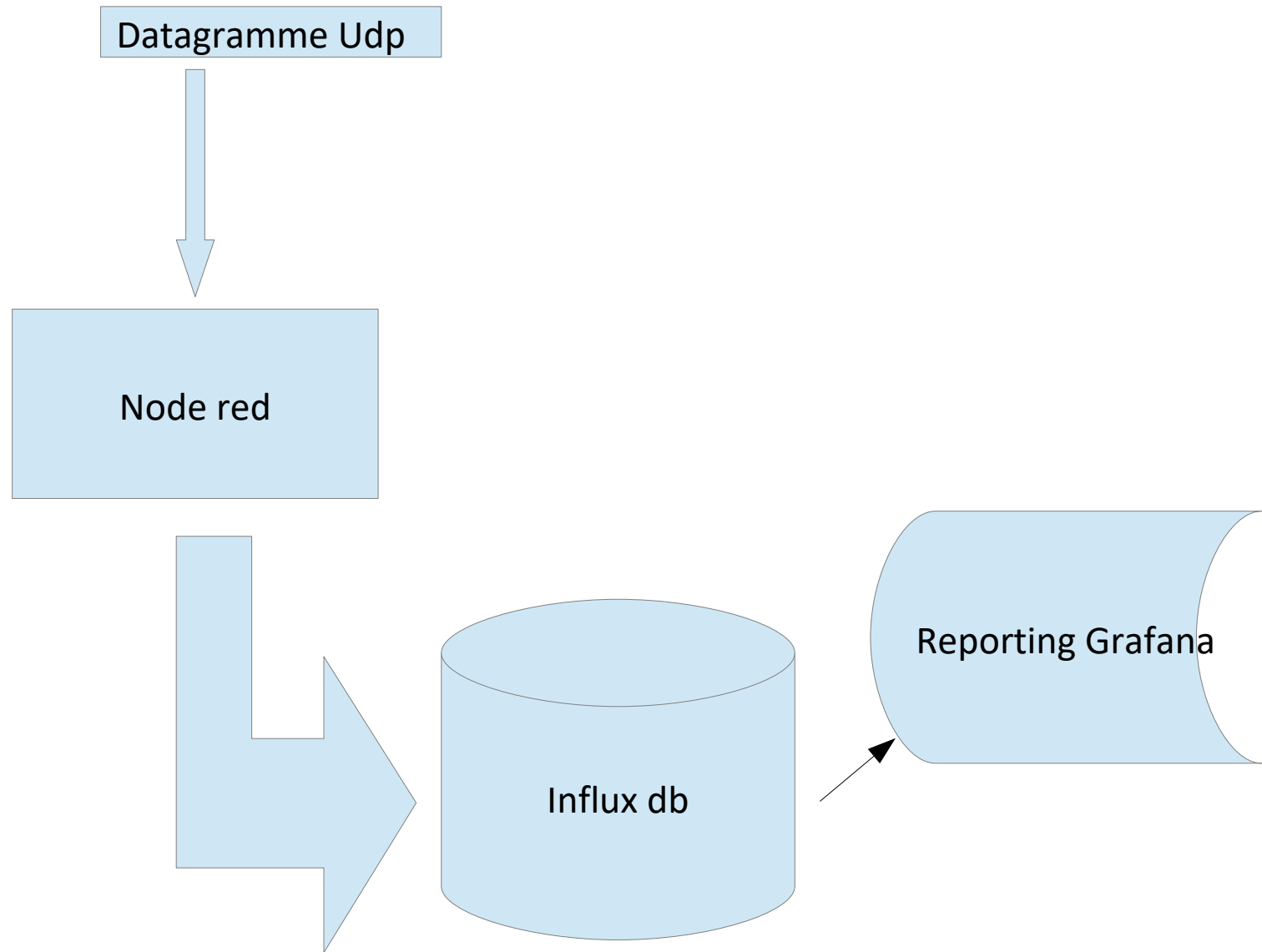
# Architecture



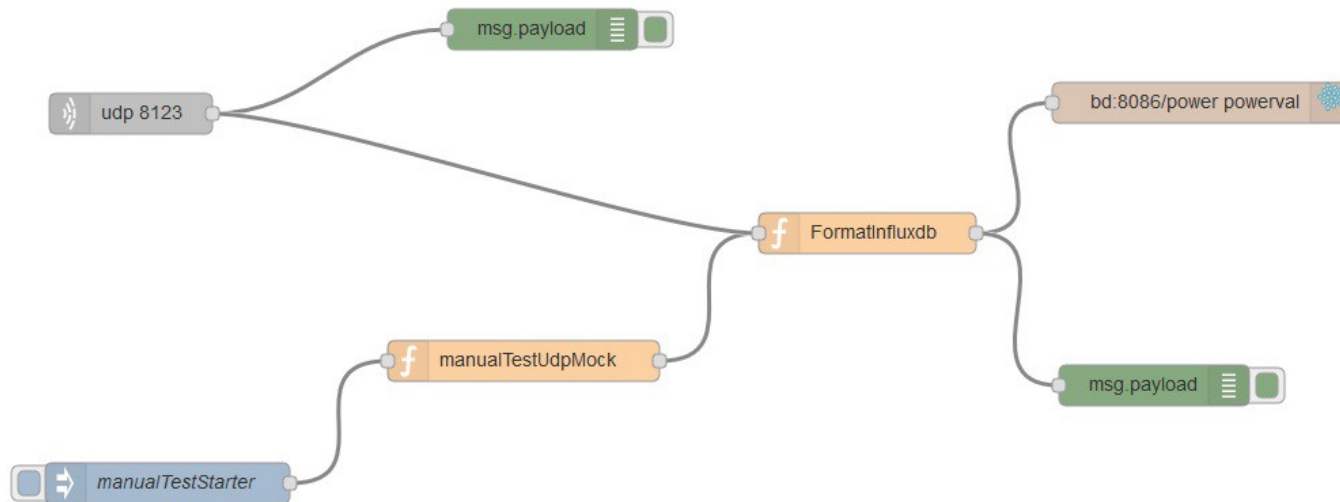
powerwall

| time                           | device | num1/num2 | region | value |
|--------------------------------|--------|-----------|--------|-------|
| 2017-04-08T14:04:38.200971916Z | test01 | 1575.37   | fr-gre |       |
| 2017-04-08T14:04:38.201510712Z | test01 | 6660.36   | fr-gre |       |
| 2017-04-08T14:04:38.263369317Z | test01 | 372.84    | fr-gre |       |
| 2017-04-08T14:04:38.30820886Z  | test01 | 81.43     | fr-gre |       |
| 2017-04-08T14:04:38.3683022Z   | test01 | 36.82     | fr-gre |       |
| 2017-04-08T14:04:40.452146129Z | test01 | 33.51     | fr-gre |       |
| 2017-04-08T14:04:41.130374930Z | test01 | 31.3      | fr-gre |       |
| 2017-04-08T14:04:41.760384712Z | test01 | 30.57     | fr-gre |       |
| 2017-04-08T14:04:42.418887076Z | test01 | 30.07     | fr-gre |       |
| 2017-04-08T14:04:43.07898076Z  | test01 | 28.97     | fr-gre |       |
| 2017-04-08T14:04:43.73030376Z  | test01 | 31.01     | fr-gre |       |
| 2017-04-08T14:04:44.38628338Z  | test01 | 37.59     | fr-gre |       |
| 2017-04-08T14:04:45.04128676Z  | test01 | 33.69     | fr-gre |       |





# Schéma node red

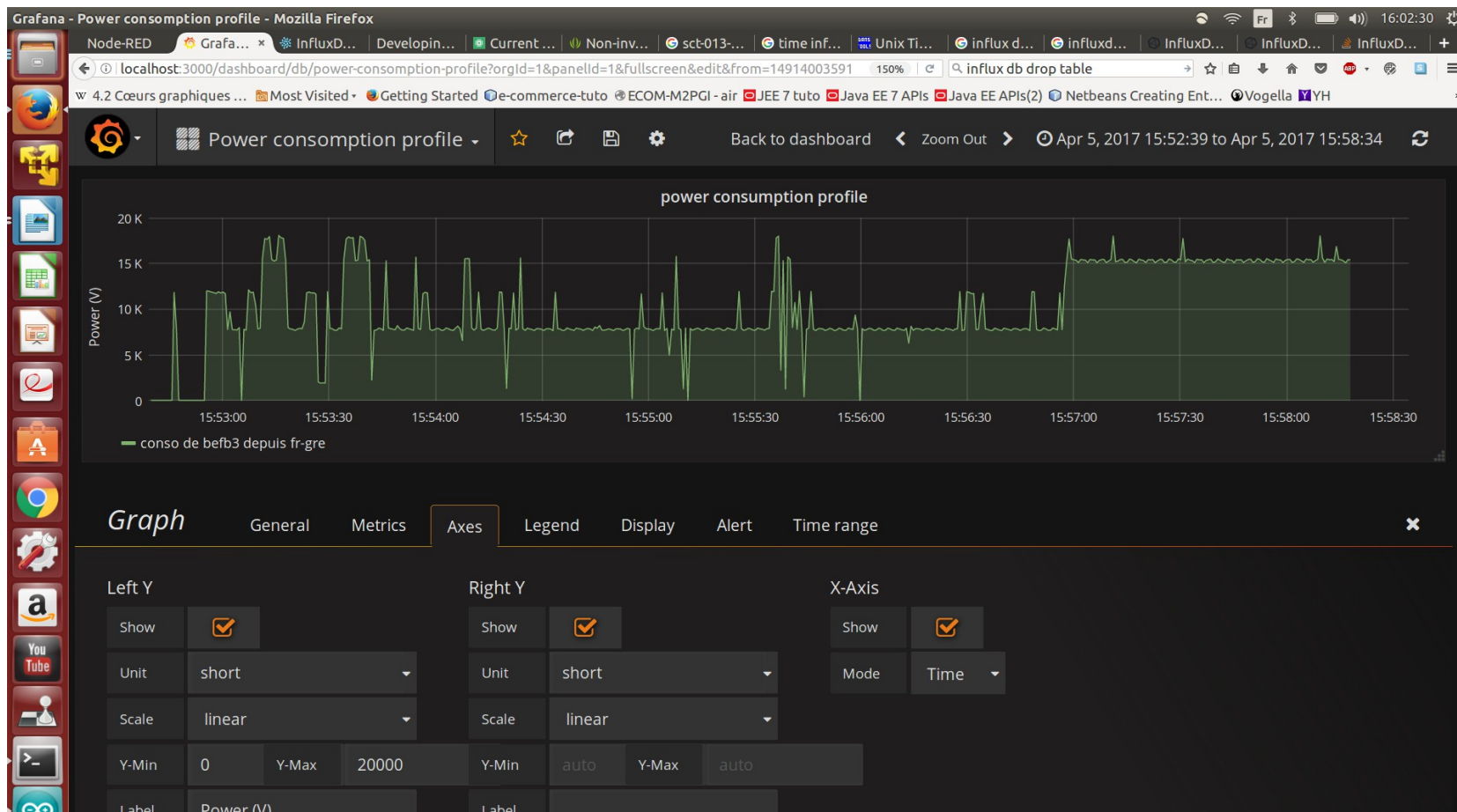


```
function : (warn)
"Manual test Udp message
mock - Start"
22/03/2017 à 17:09:54 node:
manualTestUdpMock
function : (warn)
"Manual test Udp message
mock - Stop"
22/03/2017 à 17:09:55 node:
a670ed1d.38dfa
msg.payload : array[4000]
▼ array[4000]
▼ [0 ... 9]
▼ 0: array[2]
▼ 0: object
numValue: -2.1
time:
1489425057660000000
▼ 1: object
device: "capTI"
region: "fr-lyo"
► 1: array[2]
► 2: array[2]
► 3: array[2]
```

# Profil de conso généré en test



# Profil de conso Sèche cheveux



# Profil de conso Fer à repasser

