OBJECTIVE
Designing an end-to-end security-conscious IoT framework for everyday home devices using machine learning.

FRONT-END APPLICATION
openHAB's lightweight UI: HabPanel
- sample UI after tunneling iOS device to HabPanel

FRAMEWORK ARCHITECTURE

DATABASE PERSISTENCE
To persist data in real time, openHAB stores all configured things' states on InfluxDB; allowing user to create customizable graphs on Grafana

AI MODELS

REFERENCES
[1] SimpleLink™ Bluetooth LE Multi-standard SensorTag CC2650STK
[2] Aeotec Aeon Smart Switch 6 for Z-Wave
[3] Gmail API
[4] BluePy Github Repository
[5] REST API