The Build Monitor

IoT project
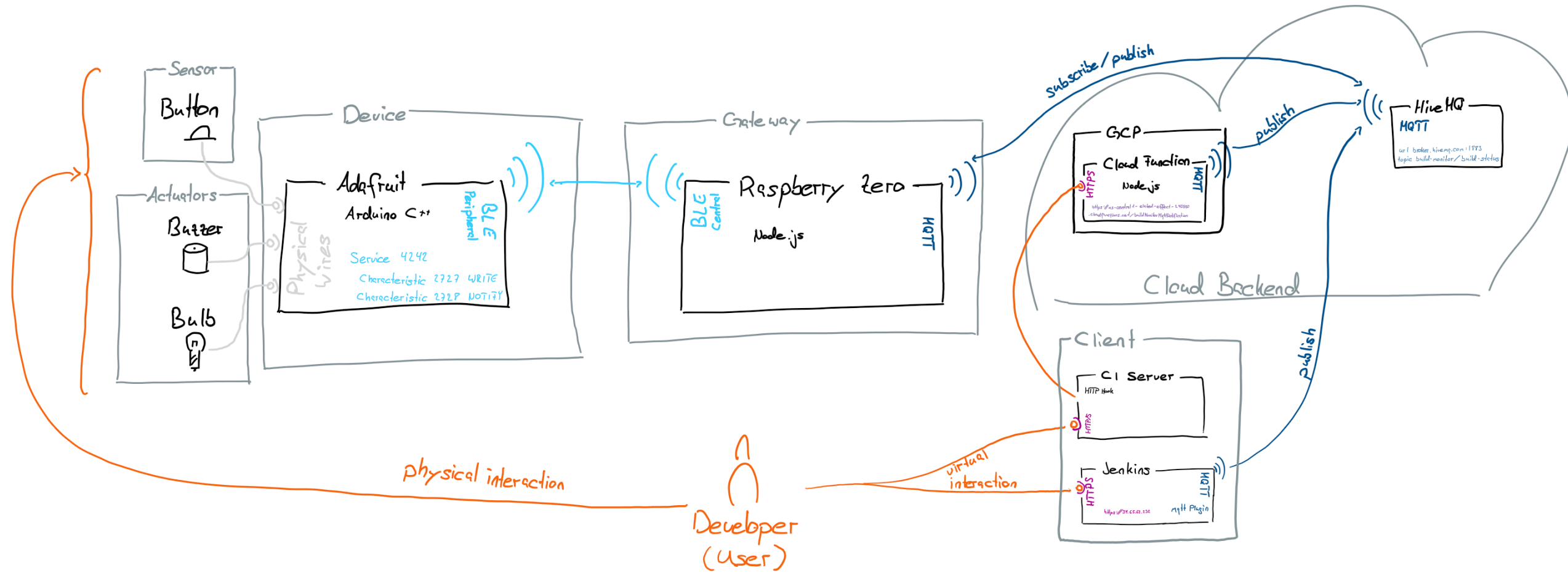
Live Demo

Use Case

- Build Failure Notification

- Commit Fixing

- Build Success Notification

- Jenkins CI

- MQTT Client (Raspberry-Jenkins-CloudFunction)

Reference Model

Interface Documentation

BLE Service #4242		
#2727	WRITE	00: build success 01: build failure 02: fix in progress
#2728	NOTIFY	00: no user action 01: build fixing committment

Google Cloud Function	
success (POST Request)	Publish build success
failed (POST Request)	Publish build failure

MQTT topic /build-monitor/build-status	
00	Build success
01	Build failed
02	Build fix awaiting

Issues

- ESP with Glove Shield

- Interfaces
  - 1 BLE Service with Characteristics vs. 2 BLE Services

- Get Chainable LED working