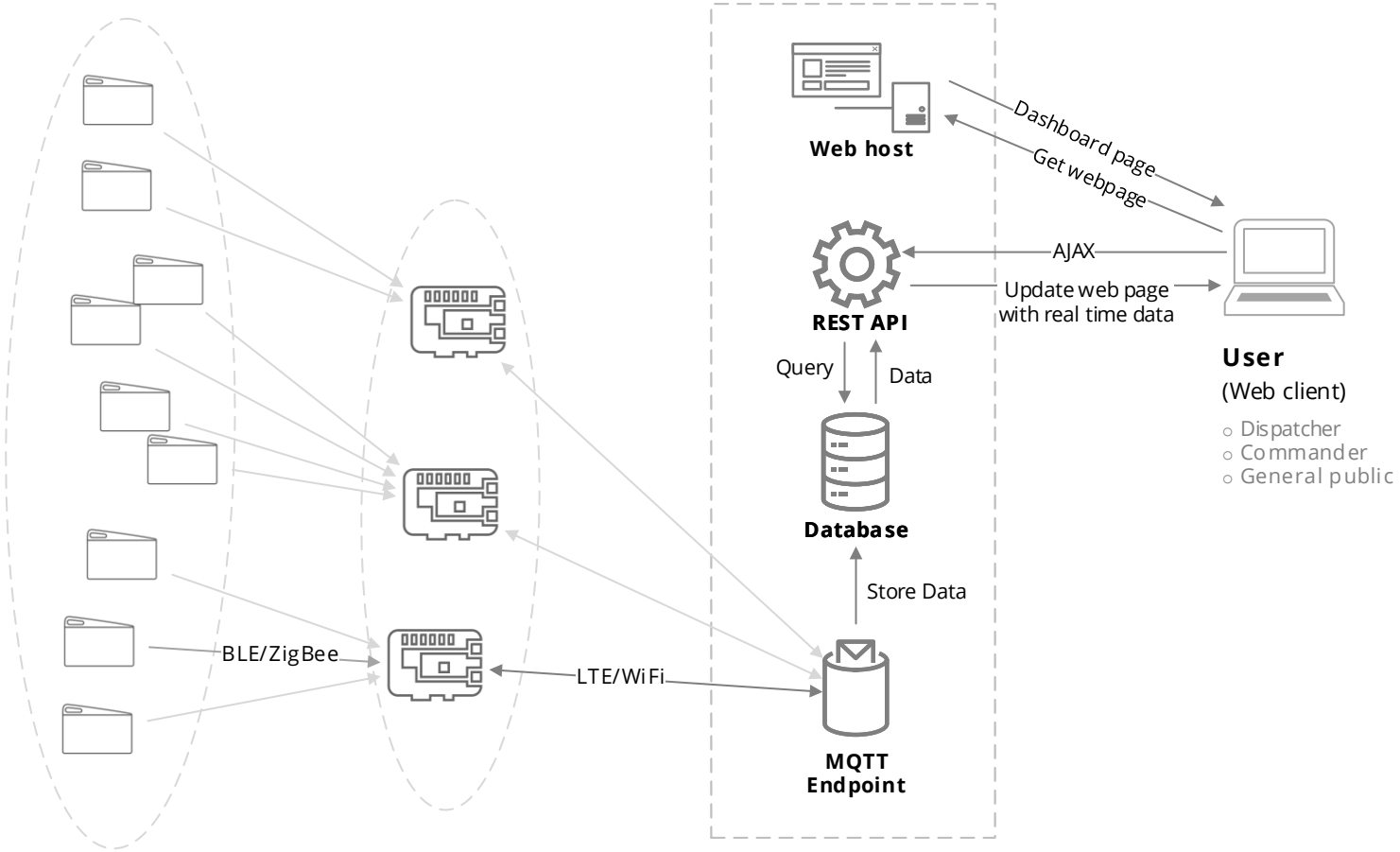
Firefighter Mission Tracker (System Design)



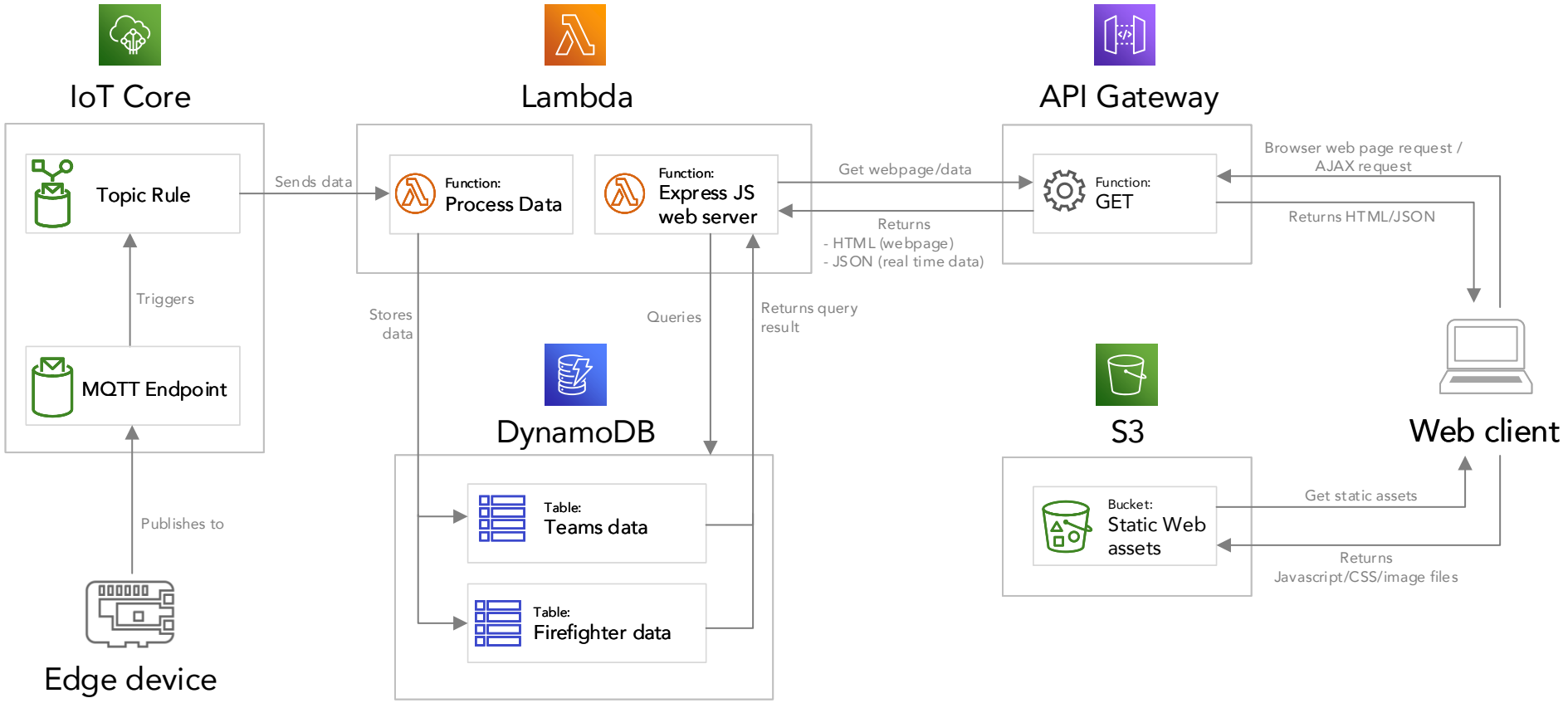
Personal trackers
(CC2650 wireless MCU)

- Temperature sensor
- Accelerometer, gyroscope
- Barometer
- Device battery level
- Oxygen level (simulated)
- Heart rate sensor (simulated)
- CO and HCN gas sensor (simulated)

Team trackers
(e.g. Raspberry Pi)

- GPS
- Receive dispatch info
- Report status
- Hub/gateway for personal trackers

Cloud
(e.g. AWS)

- Processes and stores data
- Serves dashboard webpage and data

AWS Cloud Implementation