🏗 Layer 1 — Local Agent (What You Are Building Now)

This is the U-ITE Observer.

Think of it as:

☞ A telemetry collector

☞ Runs silently on user machines

☞ Sends network intelligence data

Your Current Responsibilities

- Fingerprinting ✔
- Diagnostics ✔
- Logging ✔
- Persistence ✔
- Background execution ✔

You are **doing exactly the right thing here**.

🏗 Layer 2 — Central Analytics Platform (Future)

This is where real commercial value lives.

Eventually you'll want:

- Dashboard
- Aggregated metrics
- ISP reliability scoring
- Network quality heatmaps
- Historical trend analysis

🏗 Layer 3 — Enterprise / ISP Insights Engine

This becomes:

☞ SLA verification

☞ Outage detection

☞ Routing performance analytics

☞ Customer experience monitoring

This is where companies pay serious money.

Your Current Engineering Priority

I strongly recommend next:

1 **Device identity module**

2 **Telemetry packet structure**

3 **Config loader**