Raw Metrics Collection (Telegraf)

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Data Processing & Storage (InfluxDB)

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Feature Engineering & QoE Score Prediction (Traditional ML)

↓

LLM Processing Layer

↙ ↓ ↘

Insights Root Cause Optimization

Generation Analysis Strategies

↘ ↓ ↙

User-Facing Dashboard

↓

Network Automation Layer

* **Telegraf**: Data collection agent for system and application metrics
* **LLMs**: Language models for text understanding, generation, reasoning and analysis

In a complete QoE system architecture, you would use:

* **Telegraf** to collect the raw metrics
* **InfluxDB** (or another time-series database) to store the metrics
* **Traditional ML models** to analyze patterns and predict QoE scores
* **LLMs** to generate human-readable insights, perform root cause analysis, and create optimization strategies

These components would work together, with Telegraf being the first step in the data pipeline, collecting the metrics that will eventually be analyzed by both traditional ML models and LLMs.