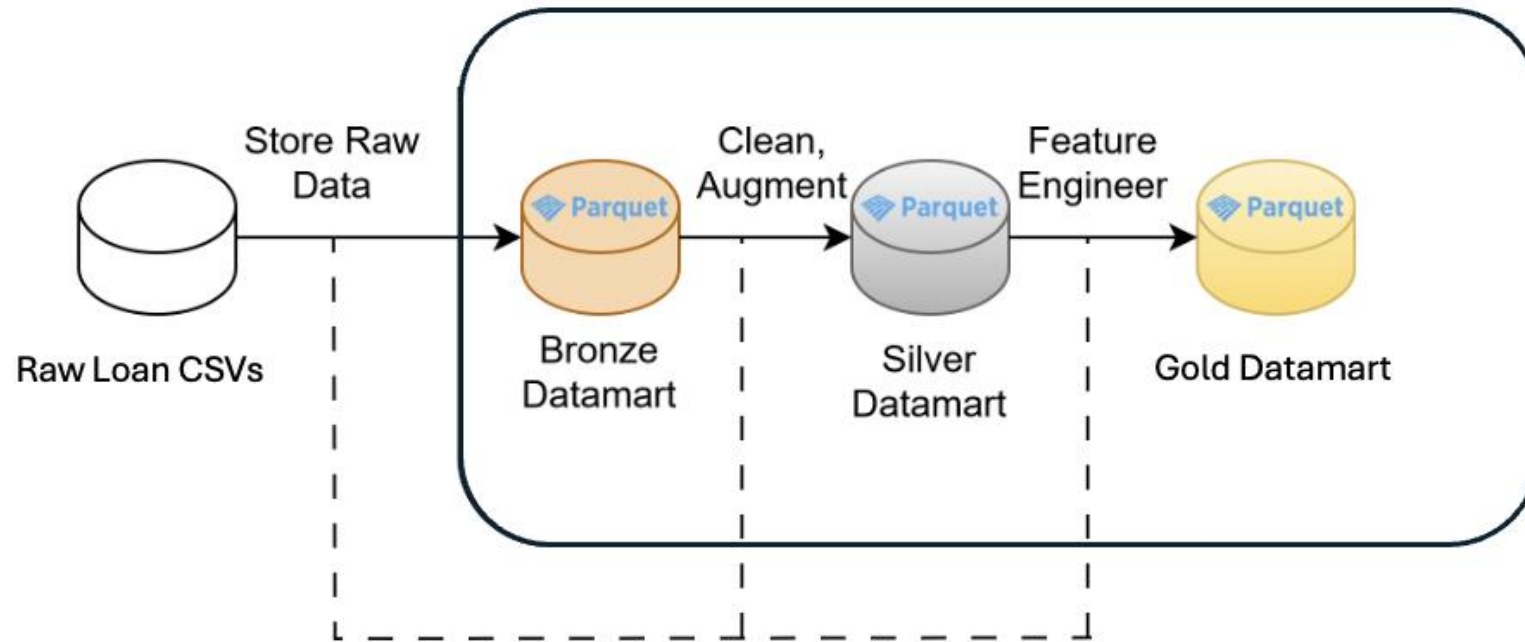


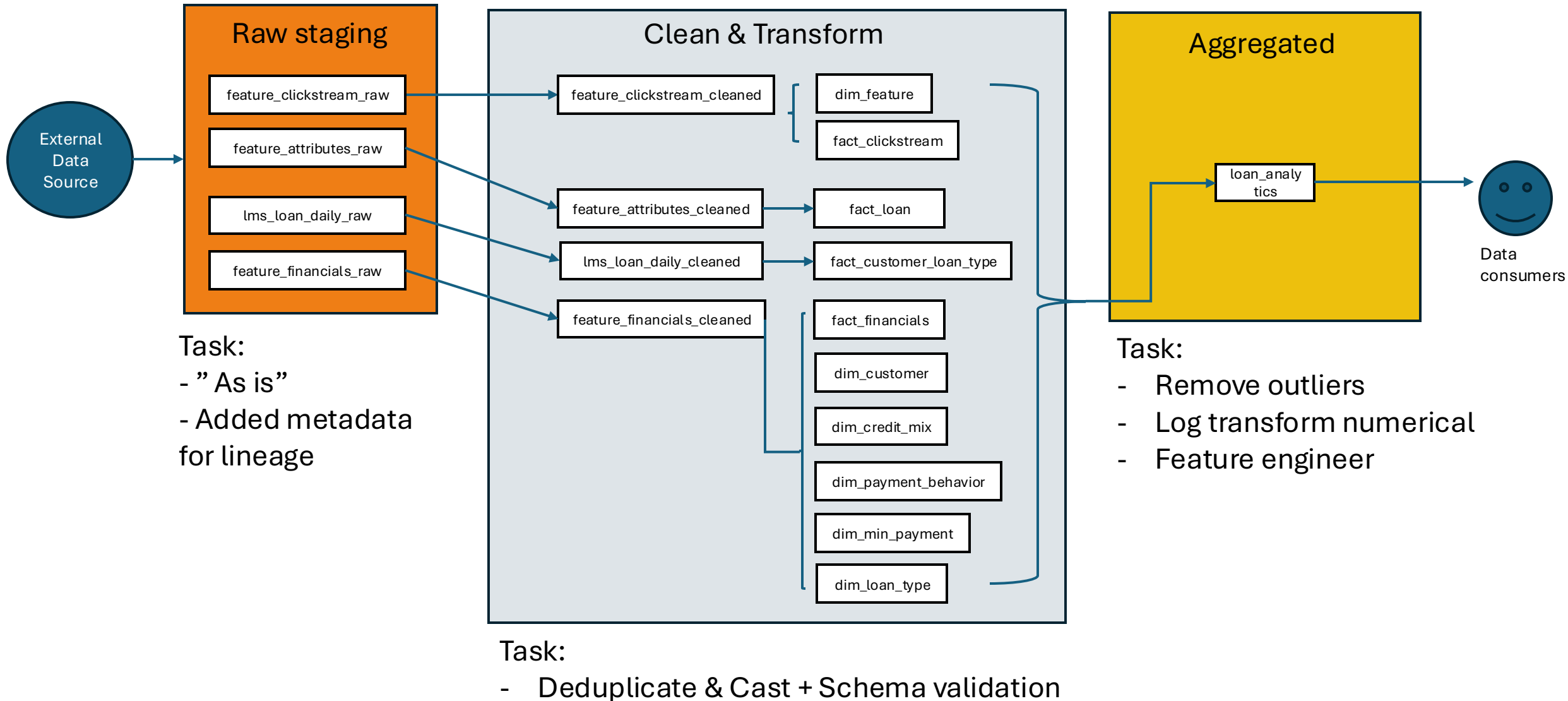
# MLE ASM1

By: Wyman Lee

# Architecture (overview)



# Medallion data architecture



# Design decisions

- Decision

- 1. Storage Format & Partitioning**

**Storage format:** Parquet

**Partition:** Snapshot date

- 2. Schema Validation**

- Enforce schemas at bronze to silver operation
- Capture lineage metadata for auditability

- Explanation

1. Columnar format to reduce storage size
2. Partition by date to lower query costs
3. Validate data quality to catch data drift early