PhaseLoom Orchestrator

Threaded plan/execute loop
Deterministic replay controls
Tool budgeting + scheduling

Gates / Rails

schema_validation
no_future_leak
privacy_scope
allow/warn/block/reroute/defer

Tool + Model Layer

retrieval, solvers, code tools
LLM reasoning / planning
domain-specific verifiers

actions

allowed calls

Receipt Ledger (Audit)

hashes: data/code/config
artifacts: eval runs, logs
metrics + environment snapshot

Aeonic Memory Bank

tiers L0-L3
provenance + retention
privacy scopes + compaction

Notes: This diagram shows control flow, not network topology. All writes to receipts/memory are gated and schema-validated.

See /docs for full requirements and /schemas for machine-usable contracts.