

TULIPO SASA

Tumemaliza:

Event Store Core Foundation

Hii ni:

- Vault ya ukweli
- Immutable
- Tamper-evident
- Audit-ready
- Race-safe
- Transactionally sealed

Lakini bado:

- Hakuna engine inayozalisha event
- Hakuna bus inayosambaza
- Hakuna projection
- Hakuna UI

BOS BIG PICTURE ROADMAP

Nitagawa katika 5 Major Layers.

◆ PHASE 1 — Event Flow Layer (Infrastructure Flow)

Hapa tunajenga:

1 Event Bus & Dispatcher

- Engine ikitoa event
- Bus inasambaza kwa subscribers
- Accounting inareact
- Inventory inareact
- BI inareact

Hii ndiyo mfumo unaanza kuishi.

2 Engine Contract Enforcement

- Engine gani inaruhusiwa ku-emit event gani
- Engine gani inaruhusiwa ku-subscribe event gani
- Namespace enforcement

Hii inazuia chaos baadaye.

3 Replay Engine

- Rebuild projections
- Recalculate accounting
- Recompute BI
- Time-based simulation

Hii ni powerful sana kwa AI future.

 Phase 1 output:
System ina flow ya matukio.

◆ **PHASE 2 — Core Business Engines (Minimal Viable Ecosystem)**

Hapa tunaanza engines za kweli.

Order of build (recommended):

1.  Retail Engine
2.  Cash Engine
3.  Inventory Engine
4.  Accounting Engine
5.  Promotion Engine
6.  HR Engine
7.  Workshop Engine
8.  Restaurant Engine

Lakini hatujengi zote mara moja.

Recommended First Business Engine:

👉 **Retail Engine (MVP anchor)**

Kwa nini?

- Inazalisha sale
- Sale inasababisha:
 - inventory.stock.moved
 - cash.received
 - accounting.entry.recorded
 - promotion.applied

Retail ni anchor ya ecosystem.

◆ **PHASE 3 — Projections & Read Models**

Kwa sasa tuna truth tu (Event Store).

Lakini user anataka:

- Dashboard
- Stock level
- Cash balance
- P&L
- Customer points

Hizi hazitoki moja kwa moja Event Store.

Tunajenga:

projections/

Read-only tables.

Rebuildable anytime.

◆ **PHASE 4 — BI & AI Layer**

Hapa ndipo BOS inakuwa tofauti na ERP.

- Decision Simulation
- AI Advisors
- Risk detection
- Fraud signals
- Promotion suggestions

- Loan analysis
- Tax scenario analysis

Lakini hii inahitaji:

- Stable event flow
- Clean projections
- Reliable data

◆ PHASE 5 — Ecosystem & Governance

- Multi-country compliance
- Tax rule packs
- Region weighting
- Digital VAT automation
- Cash hardware
- Fingerprint attendance
- Online POS remote cart
- Workshop optimization engine

Hii ni ecosystem expansion.

Strategic Recommendation (Founder View)

Usiruke moja kwa moja ku-build Retail.

Kama Founder:

Next best move = Event Bus + Engine Contracts.

Kwa nini?

Bila bus:

- Retail itakuwa monolithic
- Accounting coupling itaingia
- BI itakuwa hardwired

Bus inafanya mfumo uwe scalable.

Recommended Sequence (Clean Architecture Path)

1.  Event Store Core (DONE)
2.  SOON Event Bus & Dispatcher
3.  SOON Engine Registry & Contracts
4.  SOON Retail Engine (MVP)
5.  SOON Inventory Engine
6.  SOON Cash Engine
7.  SOON Projections
8.  SOON Accounting
9.  SOON BI
10.  SOON AI Advisors
11.  SOON Workshop & Restaurant