

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