

SHIYAN YISHU

Core API Concept

The API acts as the **decision and market interface** on top of the abstract clusters and the deterministic inverting policy

$$\pi_{\text{inv}}(c) = 1 - \ell(c).$$

Clients never talk directly to the blockchain for every call; the API handles abstraction, caching, and settlement.

Beyond here be dragons!

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The Problem

Independent musicians create songs, stories, and connections every day. Yet most of the value they generate—fan narratives, listening habits, personal relationships—never turns into sustainable income. Platforms take the data, advertisers buy the attention, and the artist is left with almost nothing. The “missing middle” between real human stories (C2C) and real money (B2B advertising) remains empty.

The Solution

Shiyan Yishu is a decentralized music marketplace and advertising engine built for solo artists. It turns every song + story a musician shares into an owned digital asset that can be discovered, collected, and monetized through programmatic advertising—while the artist keeps control of the data and the revenue.

How It Works (four simple layers)

1. Know (Name) - Artist uploads a track and a short narrative.
2. Knows How (Learn) - AI cleans and organizes the story and audio into searchable, structured memory.
3. Show (Cluster) - Similar stories and listeners are grouped into living communities.

4. Do (Container) - Those communities become precise targets for advertisers. Revenue is automatically split with the artist via smart contracts and tokens.

The result is a continuous loop:

C2C stories → B2C fans → B2B advertisers → artist gets paid → more stories. Core Technology (kept simple).

- Blockchain identity so every user, song, and transaction is owned and portable.
- AI layer that normalizes messy human input into clean, usable data.
- Cache hierarchy that keeps the most valuable stories and connections instantly available.
- Smart contracts and tokens that handle ownership, payments, and rewards without middlemen.

Who It Is For

Solo artists, songwriters, producers, and independent creators who want to own their relationships and earn from advertising that actually respects their audience.

What Success Looks Like

Artists build, own, and monetize their audio/visual world. Fans become co-owners of the stories they love. Advertisers reach real communities instead of anonymous clicks. A new, interoperable crypto-economic space—Social Transmedia—emerges where art, data, and commerce finally meet in the middle.

One-sentence promise

Upload your song and your story. Keep the ownership. Get paid by the people who want to reach the people who care.

Shiyan Yishu Abstract Architecture

Decentralized Policy Algorithm treats Miller's Clinical Competency Pyramid as a layered memory abstraction; powering

an Actor-Network Theory (ANT) lens for achieving B2B product-market fit(s), seeded by C2C bottom-up narratives, implemented via a cache-hierarchy node system that deliberately extends top-down inputs downward into dynamic clusters—ultimately encompassing B2C participants is Clinical-competency logic (not just medical—adaptable to any skill/professional domain) that becomes the core memory model:

- ANT maps the living socio-technical network of actors (humans, algorithms, policies, devices, organizations).
- Bottom-up C2C stories are the raw fuel.
- Top-down B2B policy inputs are cached and “pushed down” into self-organizing clusters so the entire stack can also serve (and learn from) B2C flows without losing coherence or performance.
- Multi-sided platform architecture bridges consumer storytelling → clinical/professional memory → enterprise policy → scalable market fit(s).

1. Knows: L1 cache (fast facts) Raw facts, standards, regulations.
2. Knows How: L2 cache (procedural) Algorithms, decision trees, policy rules.
3. Shows How L3: cache (demonstrable) Simulation traces, validated workflows, attestations.
4. Does: Persistent backing store. Real-world performance logs, outcome metrics, ANT actor traces.

1. Miller’s Pyramid as Memory Abstraction

Each “memory block” is a self-describing competency tuple: (**actor_id, level, evidence_hash, policy_version, timestamp, narrative_embedding**) Because it’s decentralized, these blocks live on a ledger (e.g., IPFS + smart-contract index or a permissioned DAG) so no single node owns the truth.

2. Decentralized Policy Algorithm

The “Policy Algorithm” is a smart-contract-orchestrated state machine that operates on the pyramid levels:

- Level-1 Knows policies are immutable global facts (e.g., regulatory baselines).
- Level-2 Knows How policies are executable (on-chain or off-chain oracles) and can be upgraded via ANT-governed DAOs.
- Level-3/4 policies require quorum of Shows/Does evidence before activation (zero-knowledge proofs of competency).
- Conflict resolution uses ANT-weighted voting: influence = (narrative volume × competency level × network centrality).

This gives policy-as-code that evolves with real-world **performance, not top-down decree.**

3. Actor-Network Theory as the B2B Product-Market-Fit Engine

ANT treats every node (clinician, patient, EHR system, insurer, startup SaaS) as an actor whose interests must be continuously translated and enrolled.

System runs an ongoing ANT translation loop:

1. Problematisation - C2C narratives surface pain points.
2. Interessement - Miller-level memory blocks propose solutions.
3. Enrolment - Top-down B2B policy inputs are offered as "obligatory passage points."
4. Mobilisation - Cache-hierarchy clusters propagate successful translations into B2C flows.

Product-market fit is measured dynamically by the stability and growth of the actor-network graph (edge weights = successful translations × competency evidence).

4. Cache Hierarchy Nodes + Bottom-Up → Top-Down Extension

Physical/logical layout:

- narratives → embed → route to nearest L2.
- L2 (Regional clusters) - Group similar narratives via unsupervised clustering (e.g., topic + sentiment + Miller level). These become "hot" competency blocks.
- L3 (Enterprise gateways) - B2B customers inject top-down policies. The algorithm extends them downward: each policy is decomposed into pyramid-level sub-blocks and pushed into the L2 clusters that match the narrative embeddings.
- L4 (Global ledger) - Persistent, immutable "Does" layer + ANT graph snapshot.
- L1 (Edge nodes) - C2C mobile/web clients. Ingest raw

Key trick: Top-down input is not forced; it is extended into clusters by computing cosine similarity between the policy embedding and existing C2C narrative clusters. If similarity is high, the policy is cached at the matching level and "enrolled." If low, it spawns a new cluster that can later attract B2C actors. This is how B2C is contained without polluting the B2B core.

5. End-to-End Flow (C2C → B2B → B2C containment)

1. Consumer posts narrative ("my doctor couldn't explain my MRI results").
2. System extracts Miller level (mostly "Shows How" gap) → creates L1 block.
3. Narrative clusters with similar stories → forms L2 hot cache.
4. B2B hospital system uploads new policy ("mandatory plain-language imaging reports").
5. Policy Algorithm decomposes policy → extends it into the existing L2 cluster via ANT translation.
6. Updated cluster is pushed to L1 edge nodes → B2C patients now see improved experiences that satisfy the original C2C narrative.
7. Real-world "Does" outcomes are recorded → strengthen the policy on-chain → close the ANT loop.

Result: B2B product-market fit is proven bottom-up, yet the system remains enterprise-grade because top-down policies are cached and versioned at the correct Miller level.

6. Music Playlists

- Ambitious synthesis of real trends (Web3 music, AI personalization, tokenized ownership, programmatic ads).
 - Explicit mapping of Miller's pyramid onto system layers is a novel framing (rarely seen outside medical education).
 - Clear solo-artist use-case focus gives it a personal, authentic anchor.
 - Recognizes the "missing middle" problem between pure C2C social platforms and pure B2B enterprise software.
7. **Summary:** Shiyan Yishu is a proposed Web3-native music marketplace and advertising engine that:

- Treats every user narrative, playlist, track, and interaction as a data object living in a Miller-pyramid cache hierarchy.
- Uses an AI layer (GTP) to clean/normalize those objects.
- Extends the cleaned objects into Actor-Network clusters so that B2B advertisers can target B2C users who originated from C2C storytelling.
- Settles ownership, payments, and incentives via smart contracts and tokens on a public blockchain.
- Generates revenue primarily through programmatic advertising while giving artists ownership of their digital assets and data.
- In short: an AI + blockchain "Social Transmedia" platform whose first domain is independent music distribution and whose economic engine is ad-funded tokenization of user relationships.

Potentially first (or at least distinctive) in the specific combination: Miller's clinical-competency pyramid as a formal memory/cache hierarchy + Actor-Network Theory framing + explicit "missing-middle" B2C-to-B2B advertising bridge for music narratives.

That uniqueness is mostly conceptual. Market advantage will come from execution speed (Punk Heavy Metal Single) and community (convergent art/sci narrative, not from being the absolute first mover on any underlying technology.