

NexuSol.app

A unified intelligence layer for the Solana ecosystem — synthesizing on-chain data, market signals, news, and community activity into a single coherent platform.

NETWORK Solana	VERSION 1.1 — 2026	ACCESS Google, X + Wal- let	STATUS Active Build
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I. Executive Summary

NexuSol.app consolidates fragmented on-chain data, news, market signals, and community insights into a single interface — eliminating the need to juggle a dozen tools, feeds, and Telegram channels to stay informed.

The platform is structured around two layers: a public-facing shell that introduces the mission and core capabilities, and a sign-in-gated internal engine — Google or X for community features (linkable to one identity), a connected Solana wallet for swaps, alerts, and governance votes — where raw data becomes actionable intelligence.

II. The Problem

Solana is the fastest-growing Layer 1 by active users and transaction volume, yet its information infrastructure remains deeply fragmented — Crypto Twitter, Telegram, Dune dashboards, Discord, news aggregators, and on-chain explorers, none of which speak to each other. This creates an asymmetry: those with the most bandwidth to monitor fragmented sources win. NexuSol.app closes this gap.

III. The Solution

Data only becomes intelligence when synthesized in context. Three design principles: separation of concerns (Content, Data, and Community live in distinct but interconnected modules), progressive access (the public layer educates; signing in unlocks depth), and verifiable trust (projects verify ownership via X OAuth, unlocking a Verified badge and self-serve edits).

IV. Platform Architecture

Three layers. Layer 01 (Public Shell, no auth) covers the landing page and all info/explainer pages. Layer 02 (Free Modules) covers News Synthesis, Ecosystem Explorer, Market Watch, and AI Tools — all open to browse with no login except swap execution. Layer 03 is Community Hub alone, the platform's only sign-in gate — Google or X, linkable to one account. A connected Solana wallet is a separate, third identity again, required only for Trading Desk swaps today. The wallet identity is never linked to the Google/X community identity, in either direction.

V. Core Modules

Five self-contained intelligence modules share a unified design system and cross-reference each other's data — news sentiment feeds the Ecosystem Health Score; whale activity on the Trading Desk informs Market Trends.

SECTION 01 · NEWS SYNTHESIS & INSIGHTS

Daily News Feed

AI-driven aggregation and synthesis of Solana-relevant news, structured for signal over noise. Articles are scored for sentiment, categorized, and surfaced alongside newsletters, monthly reports, interviews, and a live events calendar.

- Intelligence Feed — curated daily from global sources, categorized by topic
- Sentiment scoring — each article receives a score from -1 (negative) to +1 (positive)
- Weekly Newsletter — archive of issues with featured articles, trending projects, and events
- Monthly Report — recurring deep-dive digest with PDF export
- Interviews & Talks — curated video features from across the ecosystem
- Web 3.0 Events — live event calendar imported from Luma
- Editorial crawl — Exa-powered search across a curated domain allowlist feeds the synthesis pipeline

SECTION 02 · ECOSYSTEM EXPLORER

The Living Directory

A structured, verifiable directory of the Solana project landscape. Projects can claim their listing — verified against their own X account via OAuth — and get a Verified badge after admin review.

- Project Directory — search and filter by category (DeFi, Gaming, NFT, DePIN...)
- Project Claim System — X-account OAuth verification, no manual proof needed
- Ecosystem Atlas — validator map, capital flows by category, staking intelligence (Stakewiz)
- Job Market — live-imported listings (Lever, Ashby, Getro-powered boards) plus project submissions
- Airdrops — live directory of Solana ecosystem airdrops
- Trend & Sentiment — composite Ecosystem Health Score with 30-day trend chart

V. Core Modules (continued)

SECTION 03 · MARKET WATCH

Alpha Pulse & Trading Desk

Real-time market intelligence meets native swap execution. Live data from DeFiLlama, DexScreener, Binance, CoinGecko, Birdeye, tokens.xyz, and alternative.me feeds a suite of indicators and a Jupiter-integrated trading interface.

- Alpha Pulse — SOL price, Fear & Greed index, macro sentiment bias, DEX volume, dApp fee revenue
- Trading Desk — 72h area chart (Binance klines), 12s live refresh, SMA trend signal
- Liquidity Clusters — per-pool DEX liquidity concentration via tokens.xyz's Assets API
- Whale Activity Monitor — avg buy/sell size, volume acceleration; large-trade feed via Birdeye
- Jupiter Swap V2 — real quotes, real wallet signing, wallet-balance-aware Max/50% quick-fill
- Market Trends — trending tokens, RWA breakdown (DeFiLlama + tokens.xyz RWA.xyz-sourced), whale summary

SECTION 04 · COMMUNITY HUB

Account-Based Identity & Social

Google- or X-authenticated identity — the two can be linked into one account — kept fully separate from the wallet used on the Trading Desk. Profiles, feed, and forum are live; messaging is still being built.

- Account linking — connect both Google and X to the same identity
- Community Feed & Forum — posts and threads with likes, comments, emoji, share-to-X
- Private DMs — E2E encrypted (tweetnacl); still being built, not fully operational yet
- Social Graph — the connections/follow system is the live foundation; reputation scoring is not yet built

SECTION 05 · AI TOOLS

Idea of the Week

A weekly, AI-generated build idea grounded entirely in the platform's own live data — category momentum, project density, capital flow, whale activity, news, forum discussion — synthesized into one specific, buildable whitespace idea.

- Whitespace detection — cross-references category momentum against project density
- Data-grounded reasoning — every claim cites a real number, no invented statistics
- Variety constraint — excludes categories used in 2 of the last 3 ideas
- Archive — full history of past ideas, browsable by category and week

VI. Intelligence Engine

Raw API responses are normalized, weighted, and composed into actionable signals using openly documented formulas.

6.1 — Ecosystem Health Score

COMPOSITE SCORE FORMULA

```
Composite = (OnChain × 0.30) + (Developer × 0.25) + (Momentum × 0.20)  
+ (Projects × 0.15) + (News × 0.10)
```

```
// Result clamped to [0, 100], updated daily, stored in ecosystem_scores
```

On-Chain (30%) uses log-scaled DeFiLlama TVL with a 7-day change bonus. Developer Activity (25%) is computed live from GitHub commit activity across a curated basket of active Solana repos (Electric Capital taxonomy). Ecosystem Momentum (20%) averages per-category scores across DeFi, NFTs, Memecoins, DePIN, Gaming, RWA, and Infrastructure. Project Ecosystem (15%) derives from active-project count and claim rate. News Sentiment (10%) averages 7-day article sentiment with a volume bonus.

6.2 — Trading Desk Signal Computations

ORDER BLOCKS — DYNAMIC SUPPORT & RESISTANCE

```
near_support = price × 0.97      major_support = price × 0.93  
near_resistance = price × 1.03  major_resistance = price × 1.07
```

TOKEN VELOCITY — VOL / MCAP

```
Velocity = Volume_24h / MarketCap  
// DexScreener-sourced; CoinGecko fallback for tokens DexScreener doesn't cover
```

VII. Technology Stack

CATEGORY	CHOICE	NOTES
Runtime	Next.js 16	App Router · RSC by default · React 19
Database	Neon Postgres	Serverless · Drizzle ORM, schema-first
Wallet	Reown AppKit	Solana primary · Phantom, Backpack, Solflare, Magic Eden
Auth · Wallet	iron-session	Encrypted cookie sessions · Trading Desk swap signing
Auth · Community	NextAuth v5	Google + X OAuth, linkable to one identity
Swaps	Jupiter V2 API	Ultra swap router · real on-chain execution
AI	Vercel AI Gateway	DeepSeek v4 Flash (default) · Claude Haiku 4.5 (sentiment)
Market data	DeFiLlama, DexScreener, Birdeye	TVL, DEX pairs, large-trade/whale feed
Market data	Binance, CoinGecko, Yahoo Finance	Klines, momentum, SOL spot-ETF flows
Asset data	tokens.xyz Assets API	RWA.xyz-sourced treasury data, DEX liquidity clusters
Ecosystem data	Magic Eden, Stakewiz, Luma	NFT collections, validators, event calendar
Ecosystem data	airdropbee.com	Airdrops directory (scraped, no official API)
Social & news	GetXAPI, Exa	X/Twitter sentiment search, curated-domain news crawl
Realtime	Upstash	Redis pub/sub · QStash job scheduling

Notable Database Tables

users (dual identity, wallet or Google/X), signal_news, projects, ecosystem_jobs, ecosystem_scores, category_momentum, rwa_asset_breakdown (DeFiLlama + tokens.xyz hybrid), community_threads, community_connections_profiles, ecosystem_ideas.

VIII. Monetisation & Access

FREE · PUBLIC

Explorer

SIGNED IN — GOOGLE, X, OR WAL-
LET

Navigator

PROJECT / B2B

Operator

Under Discussion: the exact access model — free vs. premium, token-gating vs. subscription — is still being finalised. A points system and platform tokenomics have been discussed but not built, and are not on the active roadmap; whether and how they ship depends on user adoption.

IX. Roadmap

Phase 01
LIVE

Core Intelligence Platform

Phase 02
LIVE

Community Hub

Phase 03
ACTIVE BUILD

Private Messaging & Platform Stability — DMs still being built, not fully operational; stabilizing current systems, improving News Synthesis

Phase 04
NEXT UP

Data & Intelligence Depth — expand data feeds, evaluate upgraded Birdeye access, pursue official X Developer API access

Phase 05
NEXT UP

AI Feature Expansion — build on the Idea of the Week pattern

Phase 06
NEXT UP

Growth & Ecosystem Participation — user growth, Colosseum

Under consideration, not on the active roadmap: a Smart Alerts engine (Telegram/Discord delivery), on-chain governance, job escrow, a DePIN data marketplace, and platform points/tokenomics have all been explored and discussed internally, but none of them has actually been built.

X. Vision

The long-term vision for NexuSol.app is to become the default intelligence interface for anyone building, trading, or participating in the Solana ecosystem. Not another news aggregator. Not another chart tool. The platform where Solana's signal is organized, synthesized, and made actionable — for the degen, the developer, and the institution alike.

"Every major financial ecosystem has a Bloomberg. Solana deserves one built natively on-chain — where your wallet is your identity, and intelligence flows to those who participate."

As the platform matures, NexuSol.app is positioned to become infrastructure for the Solana ecosystem itself — a verified project directory, a social graph, and an intelligence API that other builders can build on top of. The moat is not the technology; it is the network of verified projects, trusted identities, and synthesized intelligence that accumulates over time.