Dashbone AI Trading Vault - Pitch Deck

🎯 Executive Summary

Dashbone AI Trading Vault is a dual-chain (BSC + Solana) automated DeFi yield strategy platform that deploys AI-driven intelligent capital allocation across multiple blockchain networks and yield sources. Users deposit native assets (USDT on BSC, SOL on Solana) into chain-specific vaults, receive proportional share tokens, and our off-chain AI agent continuously rebalances positions for optimal yield. Each chain operates independently—no bridges or message-passing—while a unified backend indexes both chains, syncs oracle prices, and aggregates portfolios into a single dashboard. We take a performance-based fee (2–5%) only on profits—aligning incentives with user success.

📊 The Problem

Current DeFi Challenges

- **Yield complexity**: 1000s of pools/strategies across multiple chains. Manual management is time-consuming and error-prone.
- **Risk fragmentation**: Users exposed to smart contract risk, impermanent loss, and protocol concentration risk without proper evaluation.
- **Passive returns**: Yield farming is static; opportunities change hourly but strategies don't adapt.
- **Capital inefficiency**: Average DeFi users hold assets in single pools, missing optimal yield opportunities.
- **Fee opacity**: Traditional yield platforms charge fixed fees regardless of performance, incentivizing mediocre returns.

Market Gap

No truly intelligent, autonomous yield management solution exists that: ✓ Scans yields in real-time across chains
✓ Scores risk objectively
✓ Uses AI to forecast APY trends
✓ Auto-rebalances without manual intervention
✓ Charges only on profits

💡 Our Solution

Dashbone AI Trading Vault bridges this gap with:

Core Features

1. **Multi-Chain Yield Scanning**

    - Real-time data from DeFiLlama, Chainlink, subgraph APIs
    - Coverage: BSC, Solana, Ethereum (expandable)
    - Supports Dexes, staking, lending protocols

2. **AI-Powered Risk Engine**

    - Audits, contract verification, TVL stability scoring
    - Protocol risk: LOW/MEDIUM/HIGH/CRITICAL
    - Pool-level risk assessment (APY sanity, pair type, TVL depth)

3. **Predictive Yield Forecasting**

    - Historical APY trends + TVL-adjusted moving averages
    - GPT-4o integration for forward-looking strategy evaluation
    - 7-day APY forecasts inform rebalancing decisions

4. **Autonomous Execution**

    - Off-chain AI bot (Python + OpenAI)
    - Operator hotkey submits transactions via Strategy.execute()
    - Pre-approved strategy whitelist prevents arbitrary calls
    - Confidence threshold (≥60%) gates execution

5. **User Safety**

    - Deposit cap limits TVL exposure
    - 10% max drawdown auto-pause (kill switch)
    - 48-hour timelock on strategy migrations
    - Withdrawal always available (even when paused)
    - ERC-20 share tokens with transparent math

6. **Performance-Based Fees**

    - Hard-capped at 5% of profits only (never on deposits)

- Fee Manager contract calculates harvest gains transparently
- Profit-sharing model aligns incentives

🏗️ Technical Architecture

Smart Contracts

BSC (BNB Smart Chain)

Contract	Role
Vault.sol	User deposits/withdrawals, share token minting
Strategy.sol	Base strategy, receives funds from Vault
PancakeStrategy.sol	PancakeSwap V3 + MasterChef farming
FeeManager.sol	Calculates & distributes performance fees (5% cap)
Converter.sol	USDT → DBN conversion via oracle price + DBN reserve
OracleRouter.sol	Chainlink adapter feeding DBN/USDT price
DBN Token	Governance & staking rewards

Solana (Anchor/Rust)

Program	Role
vault.rs	PDA-based vault, SPL share token mints, deposit/withdraw
converter.rs	Native SOL → DBN conversion via Pyth SOL/USDT price + DBN reserve
dbn_staking.rs	Stake/unstake/cooldown/rewards with tier discounts

Program	Role
fee_manager.rs	Mirrors FeeManager.sol — performance fees only, 5% on-chain cap
strategy.rs	Operator-executed strategy calls
oracle.rs	PriceOracleState for DBN/USDT + SOL/USDT (Pyth integration)

Cross-Chain Infrastructure (Backend)

Component	Role
Price-sync cron	Verifies DBN/USDT stays within 50 bps between BSC and Solana, alerts on divergence
Reserve-monitor cron	Polls both converters' DBN reserves, alerts before depletion
Dual-chain indexer	ethers.js (BSC) + @solana/web3.js (Solana) writing to same Postgres schema with `chain` column
Portfolio aggregation API	Sums BSC + Solana positions into one Total Value per user

Backend (Node.js + Express)

- Yield scanner: DeFiLlama, PancakeSwap, Raydium, Orca, Jupiter, Kamino, MarginFi
- Risk engine: Multi-factor scoring with Solana-native rug-pull detection (mint/freeze authority, LP lock)
- AI advisor: GPT-4o decision making with 60%+ confidence threshold
- Executor: Builds calldata for BSC (ethers.js) and Solana (Anchor) transactions
- Yield forecaster: Historical APY trends + TVL-adjusted moving averages

Frontend (Next.js 15 + Tailwind)

- Dual wallet bar: MetaMask (BSC) + Phantom (Solana), always visible
- Chain-toggle components: Convert, Staking pages swap store per chain
- Portfolio view: Unified Total Value with per-chain sub-cards
- Admin/ops: Oracle price divergence banner, reserve health panels

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💰 Business Model

Revenue Streams

1. **Performance Fees**: 2–5% of harvested profits (tunable by governance), collected on both BSC and Solana
2. **Conversion Spread** (Future): Small spread on oracle-based DBN conversions
3. **Prediction Markets** (Future): Users bet on yield outcomes
4. **Governance Tokens**: DBN staking, voting power, protocol revenue share
5. **Premium Features** (Tier 2): White-glove AI tuning, custom strategies

Unit Economics (Example)

- User deposits: $100k at 20% APY → $20k annual gain
- Platform fee (3%): $600/year
- User net APY: 19.4% (vs. 0% on static farming)
- Cost to serve: <$1/month (minimal ops overhead)
- **LTV: $600/year × 10-year retention ≈ $6,000**
- **CAC: <$50 (organic + referral)**
- **LTV:CAC ratio: 120:1**

Cross-Chain Conversion Model

- No on-chain liquidity pools for DBN pairs
- Oracle-priced conversion: deposit asset → DBN via pre-funded reserve
- Price-sync cron keeps BSC and Solana DBN/USDT within 50 bps
- Reserve-monitor prevents conversion failures on either chain

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📈 Market Opportunity

TAM (Total Addressable Market)

- **DeFi TVL**: $85B+ globally
- **Yield farming segment**: ~$25B
- **Target users**: 500k–1M active yield farmers
- **Addressable: $5–10B annual yield management fees**

Competitive Moat

1. **AI/Data moat**: Proprietary GPT-4o + real-time yield prediction model

2. **Smart contract moat**: Battle-tested strategy whitelist + kill switch UX
3. **Cross-chain architecture**: Unified BSC+Solana vault with independent chains, no bridge dependency
4. **Oracle-sync moat**: Real-time price consistency across chains prevents arbitrage
5. **Network effects**: DBN governance → community-driven strategies

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🚀 Go-to-Market: 14-Week Sprint Plan

Phase 1 — Foundation (Weeks 1–6)

Week	Deliverable
1–2	BSC Vault.sol audit complete, Solana vault.rs devnet deploy
3–4	BSC Converter (USDT→DBN) + OracleRouter live on testnet
5–6	**Tranche 2 Gate**: BSC Mainnet vault ($5M cap) + Solana vault devnet

Phase 2 — Cross-Chain Core (Weeks 7–10)

Week	Deliverable
7–8	Solana converter (SOL→DBN via Pyth) + price-sync cron
9	Reserve-monitor cron (both chains)
10	**Tranche 2 complete**: Dual converter end-to-end

Phase 3 — AI + Data Layer (Weeks 11–14)

Week	Deliverable
11	Solana dbn_staking.rs mainnet + BSC staking parity

Week	Deliverable
12	Dual-chain indexer (ethers.js + @solana/web3.js) → Postgres
13	Portfolio aggregation API (unified Total Value)
14	**Tranche 3 Gate**: First AI bot cycle on Solana, admin/ops oracle divergence dashboard

Phase 4 — Revenue & Scale (Weeks 15+)

- Performance fees active on both chains
- DBN staking rewards live
- Series A raise with $1M+ ARR traction

📊 Traction & Metrics

Completed Milestones

✓ BSC smart contracts deployed & tested (testnet)
✓ Solana programs built (vault, converter, staking, fee_manager, oracle)
✓ AI bot yield scanner operational (BSC + Solana DeFiLlama)
✓ Risk scoring engine live (100+ protocols ranked)
✓ Cross-chain staking & conversion flow designed
✓ Frontend dashboard with dual wallet support
✓ API health endpoints + webhook support

Current Metrics

- 50+ DeFi protocols indexed (BSC + Solana)
- 2,000+ yield pools tracked
- Average APY forecast error: <2%
- Bot execution confidence: 87%
- Solana programs: 6 anchor programs built

👥 Team

Role	Background
CEO/Founder	10 years DeFi/quant, ex-Curve Labs, Polygon
CTO/Smart Contracts	Solidity expert, 40+ audits, ex-OpenZeppelin
AI/ML Lead	ML engineer, PyTorch, time-series forecasting
Frontend Lead	React/Next.js specialist, 8 years UX

Advisors: DeFiLlama founder, Polygon validator, venture builder

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💸 Funding Ask

Seed Round: $1.5M (18-month runway)

Use of Funds

Category	Allocation
Core Engineering (BSC + Solana)	$0.7M
Audits (OpenZeppelin + Anchor)	$0.3M
Infrastructure & Ops	$0.2M
Legal & Compliance	$0.15M
Reserve (DBN conversion liquidity)	$0.15M

Valuation: $12M post-money (SAFE, 20% discount, $15M cap)

Milestone-Gated Tranches

Tranche	Amount	Trigger
T1 (Week 0)	$500k	Sign SAFE, begin 14-week sprint

Tranche	Amount	Trigger
T2 (Week 6)	$500k	BSC mainnet vault live + Solana devnet vault
T3 (Week 14)	$500k	Dual-chain indexer live, portfolio aggregation, first AI bot cycle on Solana

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🛡️ Risk Mitigation

Risk	Mitigation
Smart contract bugs	OpenZeppelin + Anchor audits, bug bounty program, insurance
AI prediction failure	Confidence threshold gating (≥60%), fallback strategies
Protocol risk	Multi-protocol diversification, pause mechanism
Cross-chain price divergence	Price-sync cron with 50 bps tolerance band, alerts
DBN reserve depletion	Reserve-monitor cron, alerts before either chain runs out
Solana rug-pull risk	Native checks: mint authority, freeze authority, LP lock
Regulatory	Legal team, compliance framework, adaptability
Market downturn	Stablecoin vaults, bear-market strategies

📊 Financial Projections (3-Year)

Metric	Year 1	Year 2	Year 3
TVL (M)	$15	$200	$1,000
Users	2,000	20,000	150,000
Revenue (M)	$0.45	$6	$30
Platform Fee %	3%	3%	3%
Chains	2 (BSC+Solana)	3	4+

Revenue Timeline

- **Month 4**: First performance fees (BSC mainnet live)
- **Month 6**: Dual-chain fees (Solana mainnet live)
- **Month 10**: $1M ARR run-rate target
- **Month 18**: Series A with $3M+ ARR

🎯 Key Success Factors

1. **Yield Quality**: Consistently outperform benchmarks (>15% net APY)
2. **Security**: Zero smart contract exploits, maintain insurance
3. **Cross-Chain Integrity**: Oracle price sync within 50 bps, reserves never depleted
4. **User Growth**: Viral referral loop, 50% YoY adoption
5. **Governance**: Community-driven strategy decisions
6. **Scalability**: Sub-second AI decisions, multi-chain consensus

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🔮 Vision (12-18 Months)

Dashbone becomes the de facto AI yield layer for DeFi:

- 4+ blockchains (BSC, Solana, Ethereum, Arbitrum)
- $2B+ TVL
- 500k+ active users
- Prediction markets earning $10M+ annually
- DBN valued at $500M+ market cap

- Fully decentralized governance
- Oracle-synced cross-chain pricing as infrastructure standard

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📞 Contact

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Let's build the future of autonomous yield. 🚀