BLOSSOM

The Intelligent Execution Layer for On-Chain Capital Deployment

Version 1.0 | January 2026

Abstract

Blossom is an intelligent execution layer that transforms fragmented on-chain trading into unified, intent-driven capital deployment. By abstracting protocol complexity and providing deterministic execution planning, Blossom enables users to express high-level trading objectives while the system handles routing, risk management, and cross-chain coordination.

The $BAI token powers the Blossom ecosystem, aligning incentives between users, API integrations, liquidity providers, and protocol partners.

---

1. Introduction

1.1 The Execution Gap

On-chain markets have reached infrastructure maturity. Block times measured in milliseconds, liquidity pools rivaling centralized exchanges, and sophisticated financial primitives spanning perpetuals, options, and prediction markets now exist across dozens of chains. Yet the tools for deploying capital across this infrastructure remain primitive.

Today's on-chain trader faces a fragmented landscape: perpetual DEXs on Hyperliquid, spot liquidity on Uniswap, prediction markets on Polymarket and Kalshi, yield opportunities across DeFi protocols, each requiring separate interfaces, wallets, and mental models. Executing a hedged position across these venues requires manual coordination, introduces operational risk, and provides no unified view of portfolio exposure.

This gap between infrastructure capability and execution tooling represents the core opportunity Blossom addresses.

1.2 The Blossom Thesis

Execution intelligence is the missing layer in on-chain finance.

Protocols solve for liquidity and settlement. Chains solve for throughput and finality. No layer exists to solve for *user intent*, translating what a trader wants to achieve into optimal execution across the available infrastructure.

Blossom fills this gap by functioning as:

1. **Intent-to-Execution Translation Engine**: Converting natural language and structured inputs into deterministic, auditable execution plans
2. **Cross-Protocol Coordinator**: Orchestrating trades across chains, venues, and asset classes without custody
3. **Unified Risk Interface**: Aggregating exposure across fragmented positions into coherent portfolio analytics
4. **API Infrastructure Layer**: Providing programmatic access for protocols seeking intelligent execution

---

2. Problem Analysis

2.1 Protocol-Centric Design

Current on-chain products are built around protocol capabilities rather than user objectives. A perpetual exchange surfaces order entry. A lending protocol surfaces collateral management. An AMM surfaces swap interfaces. Each product answers "what can this protocol do?" rather than "what is the user trying to achieve?"

This design pattern forces users to become protocol experts, understanding the mechanics of each venue they interact with. For professional capital, this fragmentation creates operational overhead. For retail participants, it creates barriers to sophisticated strategy execution.

2.2 Reactive Risk Management

Risk management on-chain is predominantly reactive. Traders assess exposure after positions are live. Correlations between assets held on different venues remain invisible. Hedging requires manually calculating offsetting positions and executing across multiple interfaces.

This contrasts sharply with institutional finance, where risk is evaluated *before* execution and continuously monitored thereafter. The absence of pre-trade risk evaluation and cross-venue correlation analysis creates hidden risk concentrations that only surface during volatility.

2.3 Fragmented Execution

Consider a trader seeking to express a view that ETH will outperform BTC over the next quarter while hedging tail risk:

Current Workflow:

- Open long ETH-PERP on Hyperliquid (requires USDC on Arbitrum)
- Open short BTC-PERP on dYdX (requires USDC on Ethereum)
- Purchase downside protection via options on Lyra (requires sUSD on Optimism)
- Track positions manually across three interfaces
- Calculate net exposure using spreadsheets
- Adjust positions individually as market moves

Desired Workflow:

- Express intent: "Long ETH/BTC with 25% drawdown protection"
- Review unified execution plan showing all legs
- Confirm single transaction
- Monitor unified PnL and Greeks

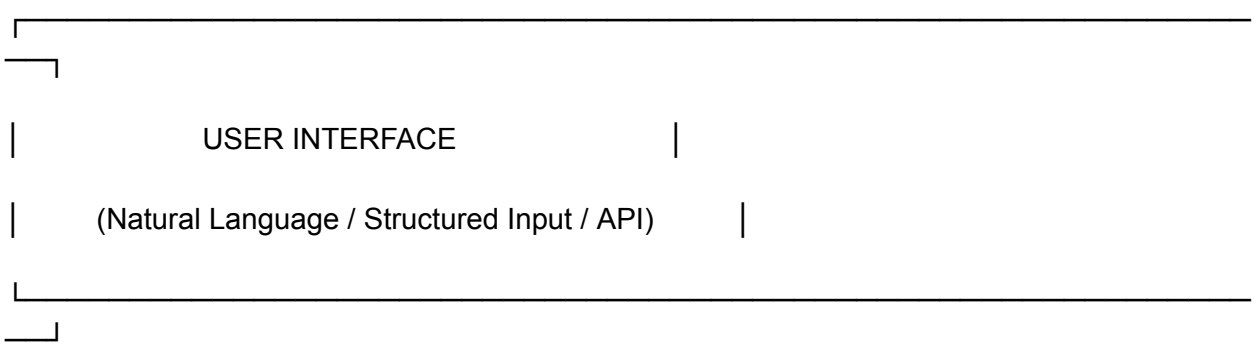
The gap between these workflows represents Blossom's value proposition.

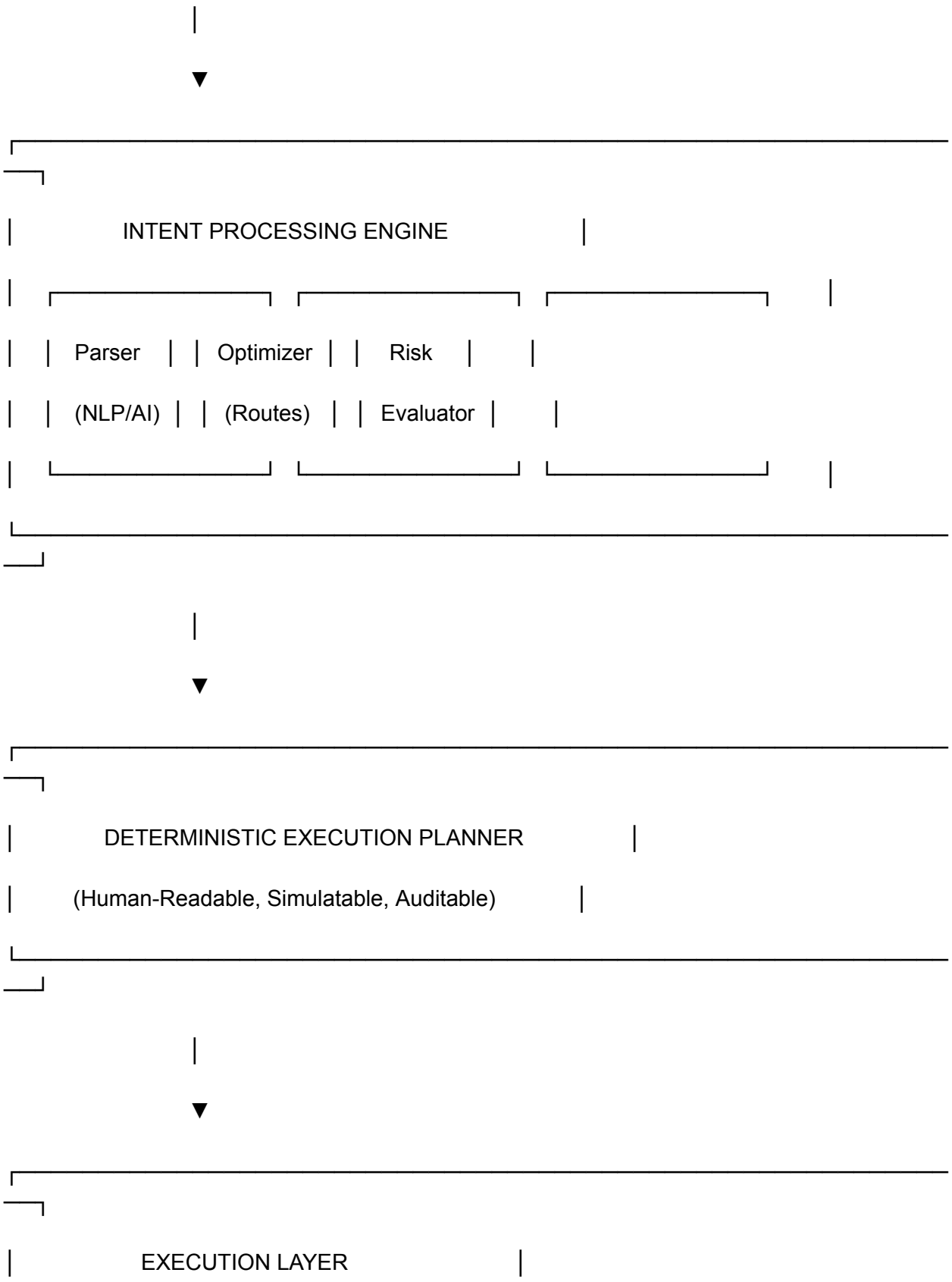
---

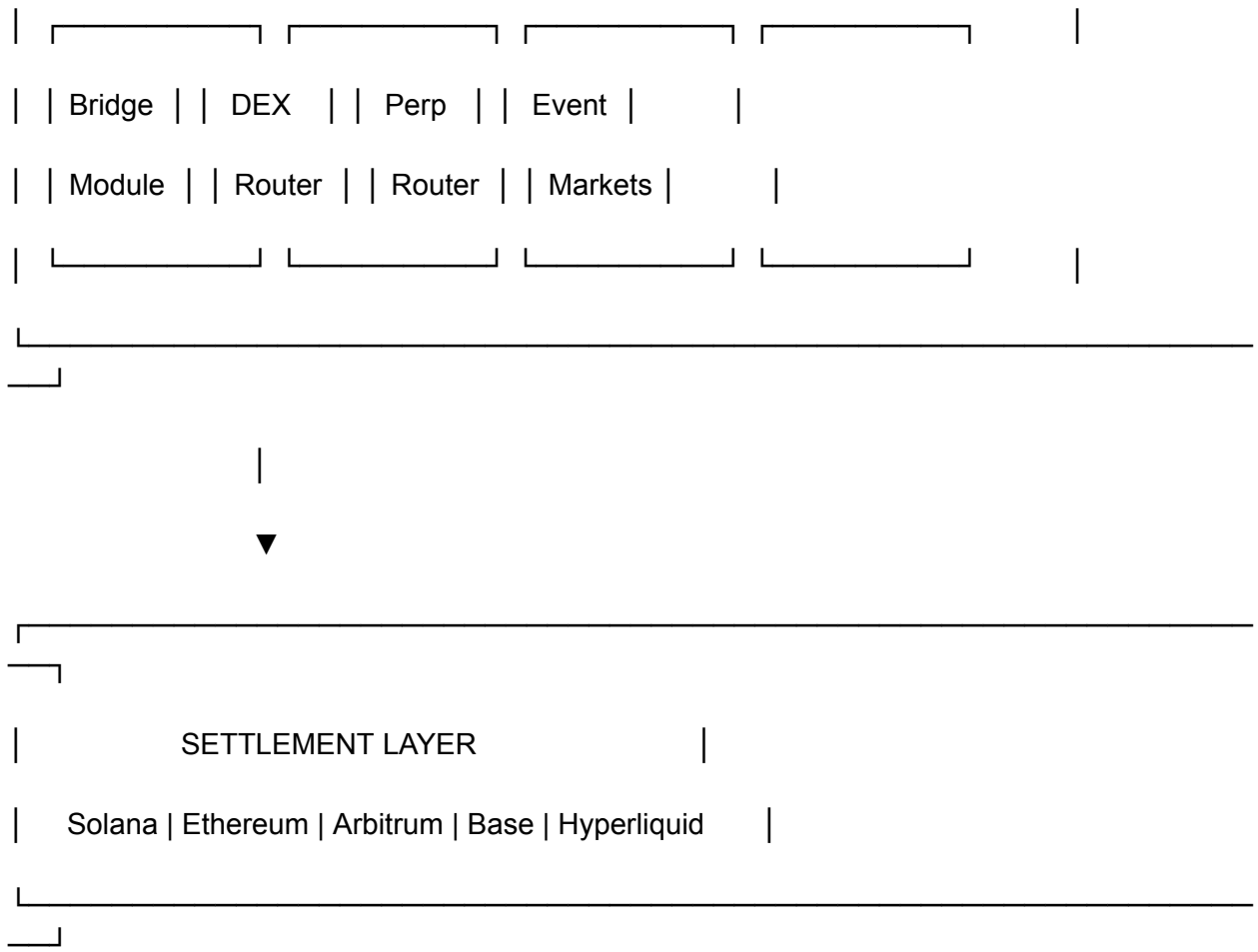
3. Architecture

3.1 System Overview

Blossom operates as a non-custodial execution layer sitting above existing protocols. Users maintain custody of assets at all times—Blossom coordinates execution through signed transactions without ever holding funds.




INTENT PROCESSING ENGINE
Parser
(NLP/AI)
Optimizer
(Routes)
Risk
Evaluator
DETERMINISTIC EXECUTION PLANNER
(Human-Readable, Simulatable, Auditable)
EXECUTION LAYER



3.2 Intent Processing Engine

The Intent Processing Engine converts user objectives into structured execution parameters through three components:

Parser: Interprets natural language inputs ("hedge my ETH with a 3x levered short") and structured inputs (position size, leverage, venue preferences) into normalized intent objects.

Optimizer: Given an intent, evaluates available routes across venues to minimize execution cost, slippage, and latency. Considers cross-chain bridging costs, venue liquidity depth, and fee structures.

Risk Evaluator: Assesses the proposed execution against user-defined risk parameters and portfolio context. Calculates post-execution exposure, correlation with existing positions, and maximum drawdown scenarios.

3.3 Deterministic Execution Plans

Every execution produces a deterministic plan—a complete specification of:

- Exact transactions to be signed
- Asset flow between addresses
- Risk check gates (execution halts if conditions violated)
- Dependency ordering (which transactions must complete before others)
- Failure recovery paths

Plans are human-readable, simulatable before execution, and cryptographically auditable afterward. Users can inspect every element of an execution before signing.

3.4 Execution Modes

Confirm Mode: Default for most users. Blossom generates an execution plan, simulates it, and presents results for review. User explicitly confirms before any transactions are submitted.

Auto Mode: For sophisticated users and API integrators. Define parameters (max slippage, position limits, venue whitelist), and Blossom executes within those constraints without per-trade confirmation.

Manual Mode: Full user control. Blossom provides suggestions and risk analysis, but the user constructs and executes trades directly.

---

4. Product Features

4.1 Unified Portfolio View

Blossom aggregates positions across:

- **Perpetual DEXs**: Hyperliquid, dYdX, GMX, Vertex
- **Spot DEXs**: Uniswap, Jupiter, Orca, Raydium
- **Event Markets**: Polymarket, Kalshi
- **DeFi Positions**: Lending, staking, LP positions

Users see consolidated PnL, net exposure by asset, and correlation matrices across their entire on-chain portfolio.

4.2 Pre-Trade Risk Analysis

Before execution, Blossom evaluates:

- **Position Impact**: How the trade changes portfolio beta, delta, and concentration
- **Correlation Risk**: Hidden correlations between seemingly independent positions
- **Liquidation Analysis**: Distance to liquidation across leveraged positions
- **Scenario Modeling**: Portfolio performance under stress scenarios (30% drawdown, correlation spike)

4.3 Cross-Chain Coordination

Blossom handles the complexity of multi-chain execution:

- Automatic bridge routing for cross-chain trades
- Gas optimization across chains
- Transaction sequencing to minimize exposure during execution
- Fallback routes if primary execution path fails

4.4 Natural Language Interface

Users can express strategies conversationally:

- "Long ETH with 2% of my account and 3x leverage"
- "Hedge my SOL exposure using puts"
- "Rebalance to 50/50 BTC/ETH"
- "What's my total exposure to stablecoin depegging?"

The AI layer interprets these inputs and generates corresponding execution plans.

---

5. BAI Execution API

5.1 API Overview

The BAI Execution API provides programmatic access to Blossom's execution intelligence for protocols, applications, and institutional users.

Core Capabilities:

- **Intent Submission**: Submit structured intents and receive optimized execution plans
- **Route Optimization**: Query optimal routes for specific trades without execution

- **Risk Analysis**: Evaluate portfolio risk metrics against proposed trades
- **Execution Streaming**: Subscribe to real-time execution status and fills

5.2 Integration Use Cases

For Protocols:

- Integrate intelligent execution into native interfaces
- Offer users one-click hedging against protocol positions
- Provide cross-venue arbitrage detection

For Applications:

- Build trading bots with sophisticated execution logic
- Create portfolio management dashboards with integrated trading
- Develop social trading features with copy-trade execution

For Institutions:

- Access on-chain markets with institutional-grade execution
- Build custom execution algorithms using Blossom primitives
- Integrate on-chain trading with existing OMS/EMS systems

5.3 API Pricing

The API operates on a tiered model:

Tier	Monthly Fee	Included Volume	Overage Rate
Developer	Free	$1M notional	5 bps
Growth	$500	$25M notional	3 bps
Professional	$2,500	$250M notional	2 bps
Enterprise	Custom	Custom	Custom

---

6. $BAI Tokenomics

6.1 Token Overview

Token: $BAI **Total Supply**: 1,000,000,000 (1 billion) **Network**: To be determined

6.2 Allocation

Category	**Allocation**	**Tokens**	**Cliff**	**Vesting**
Community & Ecosystem	30%	300,000,000	None	36 months linear
Core Contributors	20%	200,000,000	12 months	36 months linear
Investors (Seed)	15%	150,000,000	12 months	24 months linear
Treasury / Foundation	15%	150,000,000	6 months	48 months linear
API Incentives	10%	100,000,000	None	24 months linear
Liquidity & Launchpool	5%	50,000,000	None	Immediate
Advisors	5%	50,000,000	12 months	24 months linear

6.3 Token Utility

Execution Fee Discounts: Staked $BAI reduces execution fees by up to 50%

API Access: Premium API tiers require $BAI staking

Governance: $BAI holders vote on protocol parameters, fee structures, and treasury deployment

Revenue Sharing: Staked $BAI receives proportional share of protocol revenue (pending regulatory clarity)

6.4 Circulating Supply Schedule

Milestone	Circulating Supply
TGE	7.5%
Month 6	14.5%
Month 12	23.0%
Month 18	37.0%
Month 24	56.5%
Month 36	79.5%
Month 48	100%

---

7. Market Opportunity

7.1 Addressable Market

Perpetual DEX Volume: $12.5B+ daily across major venues **Spot DEX Volume**: $4.1B+ daily **Event Markets**: $310M+ daily and growing rapidly **DeFi TVL**: $93B+ across chains

Even capturing 0.5% of perpetual volume and 0.25% of spot volume represents $70M+ in daily volume flowing through Blossom—generating meaningful execution fee revenue.

7.2 Competitive Landscape

Aggregators (1inch, Jupiter): Optimize single swaps but don't handle complex multi-leg strategies, perpetuals, or cross-venue risk management.

Trading Terminals (Copin, Tensor): Provide interfaces to specific venues but lack intent-driven execution and cross-protocol coordination.

Prime Brokers (FalconX, Hidden Road): Serve institutions with OTC and centralized venue access but don't operate on-chain or integrate DeFi natively.

Blossom occupies unique positioning: consumer-accessible with institutional execution quality, fully on-chain and non-custodial.

7.3 Growth Strategy

Phase 1 (Current): Core product development, early user testing, strategic partnerships with Eliza Foundation and Kalshi

Phase 2 (Post-Funding): Public beta launch, API release, chain expansion to Solana, Arbitrum, and Base

Phase 3 (Scale): Institutional sales, white-label licensing, ecosystem fund deployment

---

8. Team

(Redrum) - CEO & Founder Previously Head of Growth for BeraTrax, Ooga Booga, and Berachain ecosystem projects. Deep experience in DeFi go-to-market and community building.

Engineering Team: 4 core engineers with backgrounds in trading systems, DeFi protocol development, and AI/ML.

Partners: Incubated by The Eliza Foundation. Active collaboration with Kalshi and ElizaOS core team.

---

9. Roadmap

Q1 2026

- Complete AI execution logic and testing
- Private beta launch with Eliza community (1,500+ waitlist)
- Integrate Hyperliquid and Polymarket

Q2 2026

- Public beta launch
- API release (Developer tier)
- Expand to Solana spot DEXs
- $BAI token generation event

Q3 2026

- Enterprise API tier launch

- Institutional onboarding
- Options protocol integration

Q4 2026

- Mobile application
- Advanced portfolio analytics
- Cross-chain yield optimization

---

10. Conclusion

On-chain finance has matured technically but remains primitive experientially. Users interact with protocols individually, manage risk manually, and piece together fragmented interfaces to execute coherent strategies.

Blossom introduces execution intelligence as a new primitive. Translating what users want to achieve into how to achieve it optimally. By sitting above protocols and coordinating across them, Blossom can deliver institutional-grade execution to any participant while remaining fully on-chain and non-custodial.

The $BAI token aligns the ecosystem around this vision, incentivizing adoption, rewarding contribution, and distributing protocol success to participants.

We invite users, developers, and partners to join us in building the execution layer that on-chain finance deserves.

Contact

Website: [blossom.onl] **Twitter**: @Blossom_onl **Discord**: [Coming Soon] **Email**: blossomintelligence@proton.me ; redrumeth@gmail.com

---