

# Stanislav Vozarik

## Protocol Architect / DeFi Engineer / AI Agent Infrastructure

CV - last updated June 2026

Website: stanislavvozarik.com

Email: stano.vozarik@gmail.com

LinkedIn: linkedin.com/in/stanislav-vozarik-90246012a

Telegram: @stanieltron

GitHub: github.com/stanieltron

Protocol architect and systems engineer working across DeFi mechanisms, adversarial market infrastructure, and AI-agent control planes. The work usually starts with research and modeling, then moves through mechanism design, architecture, implementation, verification, and operational constraints.

### SYSTEMS

#### PROTOCOL ARCHITECTURE

Crypto protocol architecture, DeFi mechanism design, MEV resistance, cross-chain assumptions, tokenomics, and protocol risk reasoning.

#### AGENT INFRASTRUCTURE

AI agent infrastructure: control planes, scoped workers, backend-owned state, durable memory, verifier gates, tool permissions, evals, and recovery flows.

#### RESEARCH AND MODELING

Market-structure research, protocol mechanics, economic simulations, adversarial behavior, risk models, and implementation constraints.

#### IMPLEMENTATION

Hands-on implementation across Solidity contracts, Rust infrastructure, TypeScript/JavaScript product layers, Python services, simulations, and deployment flows.

### FORMAL EMPLOYMENT

#### Gasp / Mangata - Founding Engineer and Lead Protocol Architect

Dec 2020 - Dec 2025

##### Production DeFi protocol architecture.

- First technical hire, owning protocol design, architecture, and development for a DeFi exchange system.
- Designed core mechanics including liquidity systems, tokenomics, MEV-resistant ordering, cross-chain architecture, and finality assumptions.
- Prototyped mechanisms and helped transition designs into production through engineering, testing, and handoff.
- Worked at the boundary of mechanism design, adversarial market behavior, protocol risk, and implementable systems architecture.

#### T-Systems Slovakia - Storage Administrator -> Storage Engineer -> Head of Team

Oct 2011 - May 2021

##### Enterprise infrastructure foundation and team leadership.

- Progressed from operations into technical leadership across enterprise infrastructure systems.
- Owned delivery and operations for international clients, including escalations, vendor/client coordination, mentoring, and service reliability.
- Built practical production judgment around incident response, handoffs, system ownership, and team execution.

### SELECTED INDEPENDENT WORK

#### Tempest - AI-Agent Infrastructure

Current

##### Private/NDA build; architecture details are sanitized.

- Designed an agentic workflow control plane for scoped workers, dependency-aware execution waves, gates, verifier flows, evidence, and recovery routing.
- Built backend-owned state for worker roles, task contracts, memory boundaries, run history, approvals, accepted outputs, and verifier feedback.

#### Makeit - Founder-Built DeFi Protocol

Independent

- Reasoned, architected, developed, and launched a DeFi protocol spanning mechanism design, simulations, historical ETH replay, Solidity contracts, Rust backend/indexer/liquidation infrastructure, frontend, and deployment flow.

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## SELECTED INDEPENDENT WORK, CONTINUED

### MEV and Arbitrage Execution Bots - Ethereum, Polkadot/Kusama, Cross-DEX

Independent

- Built live adversarial market systems around pending transactions/extrinsics, AMM math, gas and tip races, route sizing, wallet state, inventory risk, unwind paths, and failed-execution handling.
- Used execution-system experience to inform protocol-level reasoning about MEV resistance, fair ordering, and market-structure failure modes.

### Velto - Pre-IPO / Pre-TGE Perpetual DEX Mechanism Design

Concept phase

- Designed market-structure mechanics around vAMM liquidity, weak oracle environments, rebase mechanics, liquidity transitions, backed shorts, and deliverable sell anchors.

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## SUPPORTING COFOUNDER PROJECTS

### CDP

#### Revenue distribution protocol.

Architected Solidity contracts and frontend flows for tokenholder revenue distribution, staking, and reward access mechanics.

### STILLET

#### ETF-style DeFi products.

Built contract and frontend pieces for on-chain portfolio products, allocation views, performance tracking, and risk-aware vault logic.

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## TECHNICAL SCOPE

<b>Crypto / Protocol</b>	DeFi, AMM, DEX, MEV resistance, tokenomics, liquidity systems, cross-chain finality, smart contracts, Solidity, Rust, Substrate, Polkadot, Ethereum.
<b>AI Infrastructure</b>	AI agents, agent orchestration, multi-agent workflows, worker contracts, RAG, embeddings, vector search, eval harnesses, verifier gates, tool calling, MCP-style tool boundaries, prompt injection tests, AI observability.
<b>Engineering</b>	Rust, Solidity, TypeScript, JavaScript, Python, FastAPI, Pydantic, backend systems, frontend integration, APIs, state machines, testing, observability, deployment flows.
<b>Best-fit roles</b>	Protocol Architect, Protocol Research Engineer, DeFi Research Engineer, DeFi Protocol Engineer, Blockchain Protocol Engineer, Founding Protocol Engineer, AI Infrastructure Engineer, AI Agent Infrastructure Engineer, Agentic Systems Engineer, LLM Application Engineer, AI Workflow Engineer, AI x Crypto Engineer, Senior Systems Engineer.

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## WORK PATTERN

The common pattern is research carried into working systems: market structure, protocol mechanics, state ownership, implementation, verification, and operational constraints. Tempest applies that same systems lens to agentic workflows: stateful, inspectable, constrained, and recoverable AI work.

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## ROLE AREAS

- **Primary:** senior crypto protocol architecture, protocol research, DeFi protocol engineering, cross-chain infrastructure, adversarial-market systems.
- **AI systems:** AI-agent infrastructure, agentic workflow systems, AI x crypto, forward-deployed AI engineering where architecture and implementation both matter.
- **Execution fallback:** senior systems, backend, Rust, Solidity, or full-stack Web3 engineering roles where deep system ownership is valued.