

## Aleksandr Beliasnik

**Senior Quant Engineer | Trading Systems Engineer | Arbitrage and Market-Neutral Strategies (DeFi/CEX)**

Location: Remote

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### Summary

**Senior Quant Engineer and full-stack trading systems developer with 5+ years building production-grade arbitrage and automated execution systems. Deep hands-on expertise in delta-neutral, funding rate, and basis strategies across CEX and DeFi venues. Strong in low-latency execution, robust error handling, risk controls, and 24/7 operations. Experienced in Solidity smart contracts, EVM integrations, and end-to-end delivery from strategy research to deployment, monitoring, and investor reporting.**

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### Key Skills

- **Trading Systems:** order lifecycle, dual-leg hedging, execution safety, latency-aware design, retries, idempotency
  - **Strategies:** delta-neutral funding, basis, cross-exchange arbitrage, on-chain routing and slippage control
  - **Python:** Python 3.10+ (asyncio, WebSocket, REST), data pipelines, CLI tools, robust logging and observability
  - **Smart Contracts:** Solidity, on-chain accounting, vault logic, route validation, token standards (ERC-20), production deployment and testing
  - **DeFi:** AMMs (Uniswap V3, Camelot), lending/derivatives primitives, price impact modeling, gas/fee optimization, on-chain monitoring
  - **Data and Infra:** FastAPI, PostgreSQL, Docker, Linux, config management (Pydantic), CI/CD, alerting (Telegram)
  - **Risk Controls:** slippage and timeout guards, position tracking, stop-loss/take-profit automation, circuit breakers and safety fallbacks
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### Highlighted Projects

**Decentralized Trading Fund - Trading Infrastructure (Hyperliquid, GMX)**

- Built and operated a full-cycle market-neutral trading stack for funding and basis strategies, from strategy logic to production deployment.
- *Implemented automated rebalancing, risk controls, performance analytics, and investor reporting workflows.*

#### Drift ↔ Hyperliquid Arbitrage Bot

GitHub: [Drift-Hyperliquid Arbitrage Bot](#)

- Delivered a modular arbitrage system for delta-neutral, basis, and funding strategies between Drift (Solana) and Hyperliquid L2.
- Built asynchronous connectors for unified order book, funding, and execution ingestion (WebSocket and REST).
- Implemented atomic execution and rollback logic for dual-sided order management and risk isolation.
- Added strict slippage, timeout, and position tracking controls for production safety.
- Developed CLI orchestration, config via Pydantic, and multi-layer logging and audit for real-time and historical analysis.

#### Okbitok Arbitrage Bot — CEX

GitHub: [Okbitok Arbitrage Bot](#)

- Built a delta-neutral CEX arbitrage platform supporting Bybit and KuCoin.
- Automated cross-exchange price and funding monitoring, order placement, PnL and position calculation, and risk exits.
- Engineered restart-safe execution with event-driven notifications (Telegram) and durable logging.

#### Okbitok Arbitrage Bot — DEX

GitHub: [Okbitok DEX Arbitrage Bot](#)

- Designed and audited Solidity smart contract for atomic triangular arbitrage on Uniswap V3 and Camelot.
  - Integrated on-chain simulation for route selection, gas/fee optimization, and slippage prediction.
  - Built Python orchestration for transaction building, state monitoring, and profit and risk analytics.
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## Professional Experience

### Senior Quant Engineer | Decentralized Trading Fund 2025 — Present, Remote

- Owned end-to-end delivery of market-neutral trading infrastructure for perpetual DEX strategies (funding and basis).
- Built the core trading engine: market data ingestion, signal generation, execution, hedging, position tracking, and PnL.
- Implemented risk layer: slippage and price impact guards, timeouts, circuit-breaker logic, and automated rebalancing.
- Developed smart contracts (Solidity) for on-chain components and integrated EVM workflows for transparency and accounting.
- Delivered operational tooling: monitoring, alerting, health checks, and investor-facing reporting pipelines.
- Contributed across stack when needed: backend services (FastAPI), data store (PostgreSQL), and web dashboard integrations.

### Senior Quant Engineer | Crypto Trading Systems (Multiple employers, contract roles) 2020 - 2025, Remote

- Built and deployed automated trading and arbitrage systems for crypto markets, focused on robustness and 24/7 uptime.
- Integrated multiple exchanges and venues (REST and WebSocket), implemented execution safety and monitoring.
- Developed simulation and backtesting tooling, and production analytics for performance and risk evaluation.
- Implemented custom smart contract components and on-chain data monitoring for DeFi strategies when required.

## Education

Ongoing professional development through hands-on research, production system design, and active participation in DeFi/CEX trading and development communities.

Relevant open-source contributions and continuous learning through advanced trading, smart contract audits, and crypto R&D.