

RISHAB LAL

Founder & Software Engineer · 8 years shipping production systems · current focus: multi-agent LLM infrastructure + applied AI

dirty@shab.cooking · github.com/dirtyshab · linkedin.com/in/rishablal · x.com/dirtyshab

EXPERIENCE

Multi-agent LLM Trading System · Independent · *Global / Remote* *Feb 2026 – Present (6 months)*

- End-to-end multi-agent LLM trading system: **10+ specialist roles** vote on directional calls across **33 assets**; per-role **DPO LoRAs** on Qwen2.5-32B served via custom **vLLM** stack with 4-bit KV-cache quantization
- Full eval + RL loop (decision logging > hindsight grading > counterfactual replay > DPO retraining); live signal-to-fill on Hyperliquid + Cascade with atomic SL/TP submission, position sync, and PnL feedback into the training corpus

Python · PyTorch · vLLM · DPO · LoRA · Hugging Face · transformers · SQLite

Cascade · Senior Engineer · *New York, NY* *Sep 2025 – May 2026 (9 months)*

- Owned matching-engine core (Rust + SpacetimeDB) — **sub-second matching latency**, fastest across major exchanges. Also owned trading-page frontend (TradingView-grade chart + order/position management)
- **\$1B+ trading volume** in beta — **~10K users**, **~\$10M ADV**. Backed by Polychain, Variant, Auros, Archetype Ventures

Rust · SpacetimeDB · PostgreSQL · Next.js · React · TypeScript · Privy

Drip Trade · Co-Founder / Senior Engineer · *Global / Remote* *Sep 2024 – Oct 2025 (1.2 years)*

- Full-stack ownership of the largest NFT marketplace on Hyperliquid; pioneered modern marketplace UX subsequently adopted by competitor venues
- Built HyperLaunch (**205+ mints**), top-500 Portfolio Chart, soulbound OTC for Hypurr (**~\$50K/piece**), Points + Locked-\$JPEG leaderboard, and **ERC20H** — open-sourced ERC20+ERC721 hybrid standard (github.com/driptrade/ERC20H)
- **100K+ trades**, **\$50M+ volume**, **~22K users**

Node · Next.js · React · TypeScript · PostgreSQL

Pallet Exchange · Co-Founder / Chief Technology Officer · *Global / Remote* *May 2023 – Oct 2024 (1.5 years)*

- Built the original product solo, then scaled to a 3-engineer + 3-bizop team; **raised \$2.5M** (Spartan, Symbolic Capital, Asymmetric, Cypher; angels from Coinbase, MoonPay, ex-Dragonfly, YGG, MetaStreet)
- Architected the marketplace entirely on-chain via CosmWasm (batch bid + batch purchase); contributed to Sei L1 to fix parallel-EVM execution for NFTs
- **1M+ visitors**, **\$1M+ v1 volume**, **~99% market share** on Sei; shipped Pallet Social Lotto + degens.domains (fully on-chain multi-TLD ENS)

Rust · Next.js · React · Node · PostgreSQL

Kado Money (now swapped.com) · Senior Software Engineer · *Global / Remote* *Mar 2023 – Oct 2023 (8 months)*

- Smart-contract on/off-ramp infrastructure across Cosmos + Solana ecosystems — CosmWasm contracts with IBC + Osmosis cross-chain routing + Circle CCTP native USDC; Solana program integrated with Jupiter API

Rust

Apollo DAO · Co-Founder / Senior Software Engineer · *Global / Remote* *May 2021 – Feb 2023 (1.8 years)*

- Co-founded the largest yield-optimization fund across Terra + Cosmos — **~\$250M avg AUM** (peak **~\$420M**); **\$1M seed + \$10M via Warchest model** to bootstrap the treasury
- Open-sourced **cw-vault-standard** (github.com/apollodao/cw-vault-standard) — auto-compounding LP vault standard adopted across Cosmos; built DAO tooling used by most major Terra protocols (multisig UX, payroll streaming, treasury ops)

Rust · Golang · Node · React · PostgreSQL

Bread Payments · Software Engineer II · *New York, NY* *Mar 2020 – Aug 2021 (1.5 years)*

- Owned the E2E test harness used across the backend org for validating changes + reproducing user-account errors from prod
- Contributed to the loan + payment processors driving most of the backend volume; built/supported Airflow batch processes; supported dev infra on Docker, K8s, Istio, AWS

Golang · React · Python · PostgreSQL · Docker · K8s · Istio · AWS · Airflow

Morgan Stanley · Java Developer · *New York, NY* *Jul 2018 – Feb 2020 (1.7 years)*

- Built/supported high-volume microservices (**150,000+ req/day**); owned the proprietary Excel-rules > DROOLS compiler powering compliance, trade routing, and risk limits

Earlier internships: *Three Bridges Capital (Risk Analytics Programmer Intern) · Bank of America (Market Risk Technology Intern) · Princeton Integrated Rx Analytics (Software Development Intern) — May 2015 – Mar 2017*

EDUCATION

New York University *May 2018*

Bachelor of Science in Business — Computing and Data Science concentration · Bachelor of Arts in Computer Science

Presidential Honors Society · ACM · Competitive Coding