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Summary

Rust on-chain. Kubernetes off-chain. Real money in between. DevOps & blockchain engineer running a live trading terminal across **Solana, Base, BNB and Robinhood Chain**: Rust indexers, **7B+ records** in ClickHouse, **3 K8s clusters**. **Turbin3** and **SuperDevs** graduate, **Superteam** member.

Work Experience

DevOps & Blockchain Engineer | Trenchers AI (multi-chain trading terminal) *Jun 2026 – Present*

- Built real-time **Rust indexers for 18 Solana trading venues** (Pump.fun, Raydium, Meteora, Orca), decoding every on-chain trade from Yellowstone gRPC and streaming it live to users over WebSockets.
- Took the platform **multi-chain**: wrote the indexers and ClickHouse schemas for **Base, BNB and Robinhood Chain**, and backfilled their full on-chain history.
- Own the **ClickHouse** warehouse behind the product (**1.7B+ trades**), and reworked its hottest queries to cut **23 TB/day** of wasted reads.
- Run production across **3 Kubernetes clusters** on Azure, with the monitoring, alerting and on-call paging that keep a **real-money platform** up.

Founding Full-Stack & DevOps Engineer | Libra AI *Feb 2026 – Jun 2026*

- Built an AI platform powering **multi-agent orchestration**, tool use, and **agentic workflows** with LLMs.
- Developed full-stack features across a **React** frontend and **Node.js/Express** backend with TypeScript.
- Integrated **20+ third-party connectors** (Slack, Gmail, Jira, Notion) with API and webhook handling.
- Managed **Kubernetes (EKS)**, **CI/CD** and **AWS**, plus **Redis-backed queues**, cron jobs and background workers.

Full-Stack Developer | 100xDevs (Service-Based) *Aug 2025 – Feb 2026*

- Built backend services in **Node.js** for a client's **high-performance trading platform**.
- Handled **real-time order and market-data flows** under low-latency requirements.
- Designed and maintained the **REST APIs** for trading operations, and improved **database performance**.
- Built **React** dashboards and reusable components for multiple client applications.

Projects

Leveraged Trading Engine (Exness-style) | *TypeScript, Express.js, Next.js, WebSockets, PostgreSQL, Redis*

- A high-performance trading platform replicating core exchange features with **real-time pricing**.
- Built a scalable **Express.js + TypeScript** backend with REST APIs, **WebSockets**, and modular services.
- Implemented the **order-execution pipeline**: margin checks, PnL, positions, and account state updates.
- Designed distributed architecture using **Redis pub/sub** and **PostgreSQL** for data storage.
- Developed a real-time **Next.js** frontend with charts, live order entry, and WebSocket-driven reactive UI.

PerDEX: Perpetual Futures DEX Simulation | *Rust, Anchor, Solana*

A simulation of Solana-style perpetual futures DEX internals focusing on correctness and performance.

- Engineered a **slab-based orderbook** and **deterministic matching engine** in Rust for exchange-grade execution.
- Designed a full **request-queue → cranker → event-queue** pipeline replicating Solana DEX architecture.
- Implemented **margin accounting**, liquidation flows, and funding-rate mechanisms with safety guarantees.
- Prototyped an **Anchor program**: PDA models, account validation logic, and memory-safe layout mapping.

Skills

Languages: Rust, TypeScript, JavaScript, SQL
Backend & Data: Axum, Actix, Tokio, Node.js, Express, PostgreSQL, MongoDB, ClickHouse, Redis, WebSockets, gRPC, async concurrency
Blockchain: Solana (Anchor, PDAs, CPIs, SPL, account validation, Jupiter, Jito, Yellowstone gRPC), EVM (JSON-RPC, ABI/event-log decoding)
Infra & Observability: Kubernetes (AKS, EKS), Docker, Azure, AWS, GitHub Actions, Cloudflare, Nginx, Linux, Prometheus, Grafana, Loki, OpenTelemetry
Frontend & Tools: React, TailwindCSS, Git, Cargo, Postman
AI: MCP servers, agentic workflows, tool-use orchestration

Education

B.Tech, Computer Science Engineering *2023 – 2027*
Sir Chhotu Ram Institute of Engineering & Technology (SCRIET), Meerut