

# Paramjeet Singh

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-LinkedIn -Github -Portfolio

## SUMMARY

Full-stack software engineer and Algorithmic Trader with experience building and scaling Trading Applications, Big data tools, Agentic AI and SaaS products across backend architecture, infrastructure and implementation-focused on distributed systems.

## Experience

### Full-stack Software Engineer

Nov 2025 - present

100xDevs

Delhi NCR, India (Remote)

- Built high-performance algorithmic trading infrastructure platforms for quantitative research, data modeling, strategy creation, backtesting, trade with low-latency execution using powerful and efficient system architecture, OMS, RMS and enhancing systematic trading workflows.
- Developed a high-frequency trading platform leveraging multithreading, object-oriented design, FIX protocols, and highly optimized data structures and algorithms to achieve ultra-fast trade execution and low-latency market processing.
- Developed a centralized exchange featuring an in-memory order book, Redis Streams-powered matching engine, and low-latency trade execution infrastructure optimized for high-throughput trading environments with leveraged trading workflows, perpetual futures support, and event-driven architecture for efficient order processing and execution.
- Developed a community-driven on-chain platform enabling users to raise issues, collaborate openly, and resolve problems through decentralized community participation and transparent workflows. Built scalable backend infrastructure, real-time interaction systems, and blockchain-integrated features to support trust, accountability, and community-based decision making.

### Full-stack Software Engineer Intern

Jun 2025 - Nov 2025

Peples Brands Lab

Delhi NCR, India (Remote)

- Built and scaled an eCommerce SaaS platform with robust frontend and backend architecture, implementing product feeds, cart management, order processing, and payment workflows. Developed a reusable component system and operational dashboard infrastructure that reduced manual spreadsheet dependency and accelerated new feature and dashboard development significantly.
- Collaborated with founders to design and launch the first production-ready platform by building a modular and scalable frontend architecture with reusable UI systems and configurable deployment workflows. Implemented analytics, dynamic configuration management, and rapid release infrastructure enabling faster experimentation, safer rollouts, and efficient feature iteration.
- Engineered a scalable commerce operations platform that streamlined inventory tracking, customer management, sales workflows, and business analytics through centralized dashboard infrastructure. Designed reusable systems and automation workflows that improved operational efficiency, accelerated internal tooling development, and simplified large-scale business management.

## Projects

### BLINK - Research and Algo Trading Platform

[Link]-[Github]-[Demo]

- Built high-performance algorithmic trading infrastructure platforms for quantitative research, traders with low-latency execution using powerful and efficient OMS, RMS and enhancing systematic trading workflows.

### Arbsol - Solana Market Making Platform

- Developed a high-frequency trading platform leveraging multithreading, object-oriented design, FIX protocols, and highly optimized data structures and algorithms to achieve ultra-fast trade execution and low-latency market processing.

### Jinx - High Frequency Trading Platform

- Developed a centralized exchange featuring an in-memory order book, Redis Streams-powered matching engine, and low-latency trade execution infrastructure optimized for high-throughput trading environments with leveraged trading workflows, perpetual futures support, and event-driven architecture for efficient order processing and execution.

### X-Change - Perpetual Futures Exchange

- Developed a community-driven on-chain platform enabling users to raise issues, collaborate openly, and resolve problems through decentralized community participation and transparent workflows. Built scalable backend infrastructure, real-time interaction systems, and blockchain-integrated features to support trust, accountability, and community-based decision making.

## SKILLS

### Computer Science

- Programming Languages: C/C++, Rust, Python, Typescript
- System Design & Infra: Microservices, Kafka, Distributed Systems, Event-Driven Systems, FIX
- Backend & APIs: Boost, Boost.beast, Boost.Asio, Node, REST API, WebSockets
- DevOps & Cloud: Docker, Kubernetes, AWS
- Databases & Caching: MySQL, PostgreSQL, QuestDB, Redis, MongoDB
- Frontend: React.js, Next.js, Dear ImGui, Vulkan Api, Tailwind CSS

### Trading and Finance

- Research: JupiterNotebook, Quant Connect, Meta trader 4/5
- Exchanges&Brokers: Coindcx, Zerodha, Grow, Upstocks, Binance, Bybit, DeltaExchange, Exness, Jupiter, Birdseye, Kraken, Okx
- ProprietaryTrading: FundedNext, Blueberry funded, Klein Funded, Blue GuardianFunded,
- Tools: TradingView, Metatrader5
- Indicators: Volume,Trading Sessions, EMA, RSI, Bollinger Bands, SmartMoneyConcept,SuperTrend, Footprints, Breakouts, Fibonacci, Orderbook, MACD

## EDUCATION

Birla Institute of Technology & Science, Pilani

Mar 2026 - 2029

- Bachelor of Science in Computer Science