High-Frequency Trading (HFT) Engineer / Analyst

Company: Jarnox
Location: Remote / Hybrid
Experience: 0–3 Years (Freshers with strong quant, trading, or system projects can apply)
Employment Type: Full-Time / Part-Time / Contract
CTC / Stipend: As per experience & skills

About Jarnox

Jarnox is a technology-driven platform working at the intersection of **finance, data, and high-performance systems**. We focus on building intelligent trading, analytics, and market-data solutions using real-time financial data.

Role Overview

We are looking for a **High-Frequency Trading (HFT) Engineer / Analyst** who has a strong understanding of **financial markets, data analysis, and low-latency systems**. You will work on trading strategies, market data pipelines, and performance-critical components.

This role is ideal for candidates passionate about **quantitative finance, algorithmic trading, and system optimization**.

Key Responsibilities

Trading Strategy & Quant Analysis

- Assist in designing and testing algorithmic and high-frequency trading strategies
- Analyze market microstructure, order books, and tick-level data
- Backtest strategies using historical and live market data
- Monitor strategy performance and risk metrics

Market Data & Systems

- Build and maintain market data pipelines for real-time feeds
- Process high-volume, low-latency data streams

- Optimize data ingestion, storage, and retrieval
- Work with time-series databases and tick data

Backend & Performance Engineering

- Develop backend systems using **Python / C++ / Java**
- Optimize code for low latency and high throughput
- Work with **multithreading, async systems, and event-driven architectures**
- Improve execution speed and system reliability

Risk & Compliance Support

- Implement basic risk checks and trade limits
- Monitor abnormal trading behavior
- Ensure strategy logic aligns with exchange rules and compliance guidelines

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Required Skills

- Strong understanding of **financial markets** (stocks, derivatives, order flow)
- Proficiency in **Python** (NumPy, Pandas)
- Knowledge of algorithmic or quantitative trading concepts
- Strong analytical and mathematical skills
- Understanding of data structures and performance optimization
- Experience with Git and version control

Good to Have

- Exposure to **high-frequency or low-latency systems**
- Knowledge of **C++**, multithreading, or network programming
- Experience with market data APIs (NSE/BSE, FIX, WebSockets)
- Familiarity with backtesting frameworks
- Understanding of risk management and execution algorithms

Who Should Apply

- Freshers with strong quant, trading, or system-level projects

- Developers interested in **quant finance and HFT systems**
- Engineers with a passion for performance optimization
- Self-driven learners eager to work with real market data

What We Offer

- 📊 Exposure to real-world trading systems and market data
- 🚀 Hands-on experience in algorithmic and HFT concepts
- 🤝 Startup environment with ownership and innovation
- 📈 Career growth in quant and trading technology roles
- 💰 Competitive compensation based on skills

How to Apply

Send your **job application** to **support@jarnox.com** with the following:

- Your **resume**
- A brief **self-introduction**
- Details of your **trading, quant, or system projects**
- Your **technical skills** (GitHub, backtesting results, research notes if available)