



Software Engineer, Data Platform | OneChronos Markets Japan

OneChronos is a technology company of diverse technologists, scientists, and market structure enthusiasts innovating at the intersection of capital markets, mechanism design, and operations research. We strive to grow global GDP by designing and operating matching markets leveraging advances in auction theory and artificial intelligence.

We're expanding our engineering team in Tokyo. This role is ideal for someone with experience in data engineering and backend development, eager to build and scale the data platform that supports a next-generation equities trading venue in Japan.

As part of our Japan trading venue build-out, you will play a key role in designing and operating the data infrastructure that powers analytics, monitoring, and trading insights. You will work with large-scale, high-frequency equities data, building systems that process and transform massive datasets into reliable, production-ready platforms.

This is a unique opportunity for someone with a strong interest in equities market data, trading systems, and large-scale distributed systems to contribute to a high-performance platform at the intersection of trading, data, and technology.

What You'll Do

Data Platform Engineering

- Work with engineering and business teams to understand equities datasets and build systems to store, process, and productionize them.
- Develop and maintain scalable data pipelines for large-scale ingestion, transformation, and processing of trading and market data.
- Design and implement ETL processes to support analytical databases and internal applications.
- Optimize storage, retrieval, and processing performance across high-volume, time-sensitive datasets.

Platform Infrastructure & Tooling

- Build internal services and tooling that support analytics, automation, and data operations across the trading platform.
- Develop and maintain workflow orchestration systems for complex data pipelines (e.g., scheduling, dependency management, retries).



- Ensure reliability, data integrity, and operational stability of the data platform.
- Monitor and troubleshoot data infrastructure and workflows in production environments.
- Collaboration & Continuous Improvement
- Partner with analysts, researchers, and engineering teams to support data modeling and analytics workflows. Contribute to improving platform design, tooling, and engineering practices to support growing datasets and analytical complexity.
- Support the evolution of the platform to handle both real-time and historical equities data streams

Who You Are

- 3–5 years of experience building data platform tooling, backend systems, or data infrastructure supporting large-scale data processing.
- Strong programming experience in Python and SQL; experience with Rust or similar languages is a plus.
- Experience designing and maintaining data pipelines and workflow orchestration systems (e.g., Airflow, Dagster, Temporal, or similar).
- Familiarity with columnar data formats such as Parquet or Arrow.
- Experience working with large-scale datasets and high-volume data pipelines in production environments.
- Strong understanding of system performance, scalability, and data reliability.
- Bachelor's degree in Computer Science, Engineering, or a related field, or equivalent practical experience.
- Entrepreneurial mindset with a strong interest in building systems and solving complex technical problems.

Nice to Have

- Experience working with equities market data, trading platforms, or financial data systems.
- Exposure to real-time data processing and streaming architectures.
- Familiarity with cloud infrastructure and distributed systems.
- Interest in market structure, trading systems, or financial markets.



Benefits at OneChronos include

- Competitive compensation (salary, potential bonus, potential ownership interest)
- Hybrid and remote work flexibility
- Medical, dental and vision insurance for employees and dependents
- Subsidized health & wellness program
- Competitive vacation policy
- Defined-contribution (DC) pension plan
- Significant daily opportunities to be challenged, learn and grow
- Opportunity to work within a diverse team that values the success of others
- Ability to be excited about and proud of your business
- Benefit enhancements reviewed over time