



**Job Title:** Chief Technology Officer

**Reports To:** Chief Executive Officer

## About AlphaSimplex

AlphaSimplex Group, LLC is a Boston, Massachusetts-based investment adviser. We strive to help investors succeed in evolving financial markets by researching and analyzing market behavior and risk. We use these insights to create adaptive strategies that are attuned to changing market dynamics and help investors meet their long-term goals. AlphaSimplex is an affiliate of Natixis Investment Managers and manages over \$6 billion in institutional and mutual fund assets.

## The AlphaSimplex Need

AlphaSimplex has an established and strong record of delivering liquid alternatives products, including its Global Alternatives product and the Managed Futures product. While we have a strong investment process built on a strong technology platform, we continue to grow and look to expand our product set and the instruments we trade. This business requirement led to the strategic decision in 2017 to update to our IT architecture. While we have made progress, we are looking for a new CTO who can effectively lead our technology team to deliver fully on implementing the new technology platform.

## General Characteristics/Position Objective

This role would be responsible for the entire technology platform with the objective of providing best in class technology to facilitate investment research, data management, investment production, trading, operations and IT security. Looking across all technology, the role would focus on developing tools necessary to support all departments and operations.

## Primary responsibilities:

### **Architecting and Managing Technology Platform**

- Designing and managing a holistic approach to the technology platform, including approach to using external software solutions and internally built solutions in a cost effective and flexible manner that best supports the growth of the business
- Continuing software best practices
- Managing best practices for coding and looking for opportunities to align code with best practices
- Monitoring operational and organizational risk arising out of the complexity of using software and related computational technologies
- Looking for and recommending to the IT steering committee opportunities to simplify our technology platform and process, and implementing as appropriate

### **Team Management**

- Lead IT team currently consisting of one data manager, one database expert, four developers and three infrastructure members

- Provide specific objectives and guidance to each team member to deliver productive contributions in alignment with firm strategic objectives
- Hold team accountable for results and deliverables
- Allocate resources within the team in alignment with firm strategic priorities
- Provide ongoing feedback and support to the team members including annual evaluation

### **Interaction with the IT Steering Committee**

- The Chief Technology Officer will be a member of the IT Steering Committee, working with the CEO, CIO and CFO to align IT priorities with firm objectives. CTO will focus on updates and recommendations for improving the technology solutions.

### **Supporting Research**

Develop tools and processes around research that can facilitate research including:

- Easily adding and supporting new data streams
- Supporting a broad array of instruments, such as future, forwards, equities, options and swaps
- Flexible platform to not constrain research particularly around instruments traded

Supporting the ongoing investment process:

- Consistent and highly reliable daily data collection
- Robust investment process that includes pre-trade restrictions, and automated checks
- Strong process and controls around code changes
- Strong process and controls around production and developmental environments

### **Supporting Operations**

- Fully implement the Geneva portfolio accounting solution
- Develop and manage the Technology infrastructure to support the operations team
- Implement technology solutions to automate manual processes
- Look for opportunities to further reduce manual work, enhance controls and reduce operational risk

### **Supporting Trading**

- Develop and manage the Technology infrastructure to support the trading team
- Fully implement Order Management System, EZE OMS and EMS, to trade all instruments including futures and forwards.
- Look for opportunities to reduce manual work, enhance controls and reduce operational risk.
- Support the use of trading algorithms by the trading team

- Reduce technology outages, particularly for the overnight trading sessions, by building a more robust and reliable technology system.

### **Other Primary Responsibilities**

- The Chief Technology Officer will play a leading role on the firm's Information Security Committee and Business Continuity Committee
  - The Information Security Committee is responsible for monitoring and overseeing the firm's information security program
  - The Business Continuity Committee is responsible for monitoring and overseeing the business continuity plan
- Present to client due diligence teams on IT structure, security and business continuity
- Work with Natixis Investment Managers (parent company) on group initiatives
- Look for opportunities to leverage the technology capabilities of Natixis Investment Managers, where appropriate

### **Required Knowledge/Skills/Abilities**

- Experience as a CTO at an investment management firm, preferably a quantitative hedge fund or investment management firm
- Strong technology skills
- Knowledge of Eze OMS and Geneva a plus
- Experience architecting and maintaining a complex technology platform
- Experience managing a technology team
- Knowledge of software engineering
- Understanding of alternative and complex trading strategies
- Proven ability to effectively communicate and address the needs of both research and non-research (trading, operations, compliance and marketing) groups
- Ability to simplify complex subjects and communicate clearly
- Attention to detail
- Ability to work well under pressure
- Ability to work well in a team environment

### **Educational/Experience Requirements**

Minimum 10 years of experience with the investment industry in technology.

BA or Masters in technology related field.