

Job Title: IT Systems Engineer

Reports To: CTO

About AlphaSimplex

AlphaSimplex Group, LLC is a Cambridge, Massachusetts-based investment management firm that specializes in researching and analyzing market behaviors and risk. Using these insights, AlphaSimplex manages liquid alternative and portfolio solutions with an emphasis on managing risk and helping investors focus on their long-term goals. AlphaSimplex is registered as an investment adviser with the U.S. Securities and Exchange Commission. AlphaSimplex is also registered as a Commodity Pool Operator with the U.S. Commodity Futures Trading Commission and is a member of the National Futures Association. AlphaSimplex is an affiliate of Natixis Investment Managers and manages over \$6 billion in institutional and mutual fund assets.

The AlphaSimplex Need

AlphaSimplex has recently experienced substantial growth. With a strong team of approximately 50 professionals, this is an excellent opportunity for the right individual to have an impact. Our small IT team touches on many different technologies, is core to our mission, and interacts with excellent people across the firm.

General Characteristics/Position Objective

AlphaSimplex is looking for an IT Systems Engineer to help maintain and evolve our technology infrastructure. You will work with the Technology Manager, CTO, development staff, and external consultants to design, build, manage, and secure our production and test systems, and information assets.

You will work with both proven and new networking, storage, server, and hosting technologies. Our environment is geographically dispersed over several sites; some travel may be required. You will own projects from start to finish, working directly with internal teams to ensure successful results.

Primary responsibilities

- Proactively monitor and address network and application performance, security, threat assessment and resource uptime, in a heterogeneous, virtualized systems supporting internal customers in a 24 hour critical business environment
- Modern IT is process and policy driven. You will be expected to develop and maintain documentation of information systems, changes, updates, standards and best practices ongoing
- Demonstrate an ability to engage internal clients, evaluate their needs, and provide technology options for addressing those needs in a repeatable & sustainable manner
- Build tools and design procedures to instrument and measure performance of distributed systems and loosely coupled application work flows

- You will be expected to keep abreast of evolving trends in technology (cloud services, containerization, microservices, serverless computing, orchestration management, etc.), and act as a resource for the CTO in this regard
- Perform beta testing, internet research, usability studies, technology evaluations
- Participate in business recovery testing and incident response; evaluate potential improvements in recovery technology and procedures
- Provide support to in house analysts and vendor staff for end user issues requiring more advanced knowledge
- Support IT Analyst in help desk role providing coverage during working hours

Educational/Experience Requirements

- 5 - 7 Years relevant professional experience; experience in financial services or other regulated industry a big plus
- Strong technical, analytical, communication & organization skills
- Active Directory and Group Policy management; integration with non-Windows environments
- Experience in administering Windows workstations and servers; foundational knowledge of SQL Server database administration and security; experience with Microsoft Exchange Server management
- Familiarity with security monitoring and configuration. Knowledge of CIS Critical Security Controls and modern cybersecurity principals
- Experience with VMware vSphere or similar virtualization technologies; experience with storage technologies from NetApp and Dell highly desirable
- Networking technologies (TCP/IP); familiarity with major network vendor technologies (routers, switches, firewalls); ability to work with higher level protocols like iSCSI, NFS, CIFS
- Experience using automation scripting tools like Powershell, or Python.
- Ability to use packet sniffing and trace tools to investigate program behavior
- A self-starter with the hunger to work hard; effective working individually and as part of a project team
- Strong attention to detail, ability to learn new tasks and technologies quickly
- Excellent interpersonal skills dealing with all professional levels in the organization; open and outgoing
- Willing to take on any task, no matter how small