XTX Markets - Systems Engineer

Company Overview

XTX Markets is a leading financial trading company which specialises in electronic market making in equity, FX, fixed income and commodity markets. We trade in large volumes on a significant number of the world's trading venues, exchanges and directly with clients, entirely in an automated fashion, with around a hundred staff members executing many millions of trades each day.

The Infrastructure group at XTX provide a technology platform for the whole firm to use. The scope of our responsibilities is wide ranging. We maintain our network, server and datacentre presence, in addition we provide the resilient storage, databases, enterprise applications and end user computing environment that utilise them. We exhibit special expertise in large installation system administration, performance optimisation, and compute cluster design with a strong preference for open source solutions.

XTX is a company that rewards people on merit and excellence, not necessarily on experience, avoids the bureaucracy of large organisations and maintains a flat hierarchy. Work is fast-paced, in abundance, so we ensure decision making is efficient and changes are quickly implemented.

People working at XTX enjoy a culture of trust, innovation and scientific rigour. It's a collaborative and friendly environment where people are highly engaged with their work.

Responsibilities

- Day-to-day maintenance and monitoring of our high-performance research cluster and collocated trading infrastructure
- Diagnosis and resolution of operational issues involving Linux, high bandwidth WAN links, Cisco routers, multicast and other high-performance technologies
- Configuring new compute/network equipment and coordinating hardware maintenance in datacentres around the globe
- Writing and configuring automation tools that enable the team to work effectively at scale (e.g. automated builds, configuration management, patch and application deployment, observability and performance management)
- Engineering robust and reliable systems to support the expansion of the business
- Adopting new technologies you think might benefit the company to build robust and reliable systems
- Dynamically adapting as the business needs change.

Candidate Attributes

- Passion for automation, and a desire to know how computers inter-operate in cuticular detail
- Keen interest in open source and new technologies
- Desire to work closely with highly technical colleagues on all levels of the stack (from hardware specifications and datacentre operation to intricate protocol or software architecture)

Academic Requirements

- 2:1 (or foreign equivalent) degree in a STEM subject at undergraduate level

Other Requirements

- Demonstrates evidence of strong technical prowess, maybe by writing and maintaining open source software, or configuring complex networks
- The ability to code proficiently in multiple programming languages
- Comfortable on the Linux command line
- Takes pride in well documented systems and can communicate their work to the rest of the team effectively
- Detailed theoretical and practical knowledge of operating system and network basics (i.e. a successful candidate should know how technical elements such as DNS, TCP/IP, or BGP work, and will probably have managed their own Linux machines)
- 1-2 years' work experience in a fast-paced professional environment