

We are looking for a new Linux Engineer.

#### **Day to day:**

Responsibilities will be primarily on the software side: Our environment / setup is very dynamic and constantly changing. Up front, a lot of the work will involve plumbing the network, however one of our short term goals with this hire is to automate much of this type of work. Other day to day tasks would include the installation of new servers, hardware, Operating Systems and other packages. We place a heavy premium on fostering a community environment, and our IT team is comprised of 'all hands on deck' team players who pitch in where necessary. The successful hire will share this mentality and be excited to work on projects alongside their fellow team members.

#### **Longer term projects:**

- **Storage:** We currently save huge volumes of data (around 300 Terabytes) for compliance and trading purposes. One project this hire will work on will be to improve our storage by making it bigger, better, more secure, as well as building a distributed redundant file system to hold the information that can be extended as needed.
- **Network security** – We plan on installing new software to monitor our network and infrastructure – This role will involve coming up with a distributed system to monitor everything from disk space, memory, making sure processes are up and running, switches etc.
  - We invest heavily in the latest technology and improving the efficiency of our infrastructure. We use Arista switches with a low latency of around 300 nanos. One project will involve understanding the different kinds of traffic we send over our network and work to minimize & better direct that traffic, and in general optimize our network to gain more efficient performance.
- **Automation Deployments** – Currently many of our processes (such as plumbing the network) require manual work (such as going into servers and changing config files manually). Currently there is no automation for this and a duty of this hire will be to research and compare different solutions, propose options to the team and advise on the best solution. Once a decision is made this hire will implement the new product into our environment, provision and keep track of changes to different group of servers.

This is an exciting opportunity to join a small, agile team in a growing company. This role offers the opportunity to tinker with high end technology and research new products as they arrive on the street in an effort to keep us at the cutting edge. For the smart, motivated individual the position will afford countless opportunities for growth both in terms of day to day tasks as well as within the greater organization.

#### **Required Knowledge / Skills:**

- Expert Linux knowledge. RedHat based Linux is strongly preferred
- Strong scripting expertise (python or bash are preferred but we will accept perl or others)
- Knowledge of Networking administration is a must (setting up a VLAN interface, setting up routing, understanding what multicast is)

- Understanding or knowing how to read Cisco switches configuration (We don't expect you to know how to configure it without reading the manual - having the ability to look at the config file knows what it means is sufficient)
- A plus (but not necessary) is someone who has played around with open source projects.
- 4-10 years of commercial experience
- 'Can do' and 'whatever it takes' attitude