Site Reliability Engineer / DevOps (Ingénieur DevOps)

SREs develop, maintain and operate software that automates the traditional roles of the system administrator.

Challenges of this role

- Build systems that make the best decision in a very short time, half a million times per second. Across three continents and 15 datacenters, 24/7.
- Store and process tens of TB of data, in one hour, using over a thousand nodes on our Hadoop cluster. And constantly get better at it while keeping the lights on.
- Get stuff done. A problem partially solved today is better than a perfect solution next year. Have an idea during the night? Code it in the morning, push it at noon, test it in the afternoon and deploy it the next morning.
- High stakes, high rewards: 1% increase in performance may yield millions for the company. But if a single bug goes through, the Internet goes down (we're only half joking, our work reaches 95% of the internet population).
- Develop open source projects. Because we are working at the forefront of technology, we are dealing with problems that few have faced. We're big users of open source, and we'd like to give back to the community.
- Work with engineering leadership to develop long-term roadmaps and architectures to scale our infrastructure and improve our SLA.

Strong candidates qualifications

- Reliability – You apply rigorous thinking when designing systems or software. You focus on resilience, monitoring and high availability.
- Scalability – You like working with problems involving huge amounts of servers with requirements for high throughput and millisecond response times.
- Flexibility - It's not really important what technology you've used before (Ruby, Python, Java, Scala…) – we're looking for people who can adapt very quickly and with an open mind. Our engineers will choose and use the best tool for the job.

- **Curiosity** – You love tinkering with Linux, Networks and Distributed Systems , work on personal projects, are curious.
- **Passionate** - You are a problem solver, a fixer, and a creative technologist. We believe engineering is a talent and a passion, not just a skill.
- **Team Oriented** - You need to be a great team worker and a great communicator.

Bonus

- Experience at Internet scale, using the Hadoop stack, Kafka, Mesos,Cassandra etc.
- Experience with infrastructure as code tools such as Chef, Puppet or Ansible
- Good knowledge of advertising technology

We use: CentOS, Windows, Chef, Graphite, Cassandra, Couchbase, ElasticSearch, Memcached, Hadoop, Spark, Kafka, Jenkins, Consul, Mesos, IIS, HAProxy, Maven, MSBuild, Gerrit, Kerberos, Active Directory, OpenAM, Nagios, Centreon, Riemann, IPMI…

Criteo R&D Culture

- **Empowerment** – We believe in hiring the best engineers in the industry and then letting them get on with what they do best – designing, coding and releasing state of the art software.
- **Mobility** – In our Voyager program our engineers get to pick which team they want to work on for 2-4 weeks, boosting collaboration, networking and maybe even leading to switching teams.
- **Agility** - We work in a fast pace environment where we build and release stuff frequently to deliver value soon and adapt to changes quickly.
- **Variety** – We have many ways to get your code to production including our Hackathon, 10% projects, Voyager and more.
- **Multicultural** – We have engineers from all over the world for you to interact and exchange ideas with.

Our culture keeps evolving, and you will be expected to contribute actively with new ideas to complement and enhance the existing programs that include frictionless internal mobility, 10% time, mentoring, technical talks, hackathons, conferences, etc.

Are you up to the challenge?