



Site Reliability Engineer / DevOps – IDM [Identity Management]

Site Reliability Engineers (SRE) ensure our platform scales, handling operations with a software engineering approach.

Challenges of this role

Criteo production systems that run products used by over 11k publishers and 8k e-commerce companies. These products create relevant digital ads in REAL-TIME and cross-devices in 50ms, half a million times per second. The operations platform is one of the largest commercial system in the world - spread across three continents and 8 datacenters with more than 17,000 servers.

The Identity Management (IDM) team ensures that all Criteo environments and apps are reachable by the right people or service in a robust and effective manner.

The mission is to develop and improve a system that authenticates and authorizes users and services on the worldwide production platform, both at infrastructure and application level, spanning over multiple Data Centers.

The mission includes ownership and evolutions of the following components and services:

- 3rd party identity management, entitlement and federation services such as Microsoft Identity Manager, Active Directory, OpenDJ and OpenAM
- Kerberos everywhere on the infrastructure, including one of the largest Hadoop clusters worldwide
- In-house application to handle authorizations at application level
- In-house signatures infrastructure to handle service and user authentication

Criteo's significant growth provides you an opportunity to strategically influence the evolution of our production platform, processes, methodologies, technologies and so much more. You will be involved in decision making and in rolling out the changes with your team.

Your ability to adapt to a fast moving environment will be a key element to our success. Your technical background and autonomy will help you fit in the IDM team.

We are still a young company where there is still a lot to build and drive.

Strong candidates qualifications

- Significant experience working on heterogeneous production platforms (Windows, Linux, Hadoop)
- Developer background, able to quickly adapt to several scripting and development languages
- Basic knowledge on principles and best practices regarding authentication, authorization and cryptography
- Ability to work with international teams

Bonus

- Experienced with large scale deployments in Cloud or Hybrid environments
- Experienced with automation frameworks like Puppet, Chef or Ansible
- Experienced with monitoring tools like Nagios, Centreon, Graphite or Kibana
- Experienced with Java, Scala or C#
- Good communication skills to provide guidance to the rest of the R&D on best practices
- Good understanding of networking concepts (load balancers, routers) as well as System Administration
- Proficiency with incident management
- Experience with application FreeIPA and PKI

Technologies @ Criteo

- Web: IIS, Apache
- Windows: Server 2008R2, Server 2012, Active Directory
- Access Management: OpenAM, OpenDJ, MIM, JWT, ADFS
- Linux : Apache, CentOS, Bind
- Dev: Java, Scala, C#

- Monitoring : Nagios, Centreon, Graphite, Kibana
- Automation : Chef
- Scripting : Ruby, PowerShell, Python

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?

Do you want to know more about life in the R&D?

Youtube: [R&D Criteo @ Europe](#)

Our blog: <http://www.criteolabs.com>

Twitter: @CriteoEng