



Senior Network Engineer

At Criteo we are constantly looking for the best talents to help us design, build and maintain our massively scalable, next-generation infrastructure.

Challenges of this role

- Our infrastructure processes **3.6PB data per day** to deliver billions of ads per day while ensuring a response time of **less than 10ms**.
- The network is distributed over **8 datacenters worldwide + 15 network PoPs**, spanning 6 countries in 3 continents, encompassing 5 public ASN's, handling 120B requests per second through **+2k network devices**
- **Automate everything**. Handling manually a network of this size is impossible for the biggest team, this is the reason why we created our own Network Automation Tool based on **Python**, Ansible and MySQL and keep developing and improving it all the time.
- High stakes, high rewards: 1% increase in performance may yield millions for the company. But if a single mistake goes through, the Internet goes down (we are only half joking, our work reaches 95% of the internet population).
- Work with engineering leadership to develop long-term roadmaps and architectures to further scale our infrastructure and improve our SLA.

Strong candidates qualifications

- Minimum **5 years'** experience in designing, deploying and maintaining BGP networks in large-scale **Carrier** and/or **Datacenter** networks
- Significant **development** experience
- Ability to make quick decisions and to work under high pressure
- Adaptability to work in an **Agile** environment with **DevOps** culture

- Curiosity towards new network and systems technologies for keeping the continuous improvement of our infrastructure

Bonus

- Large scale, distributed load balancing experience
- Significant experience with legacy L2 protocols - STP, FabricPath
- Python development experience
- Experience with code versioning and collaboration tools such as Git and Gerrit
- Experience with Infrastructure as a Code tools like Ansible or Chef
- Experience with large infrastructure automation projects

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 @ US](#) / [R&D Criteo @ Europe](#)

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

Twitter: [@CriteoEng](#)