



Gatewatcher is the first platform for digital breach detection (Intrusion Detection System) to be developed in France. Our unique technology detects the most advanced threats, made with the most crafted exploitation methods (polymorphism, obfuscation, encoding, ROPchain...) and the threats based on all types of malicious files (ransomware, cryptolocker...). The project was started in 2015 by engineer, Jacques de La Rivière, and security expert, Philippe Gillet. Gatewatcher's team is composed of experts in security, networks, systems, encryption and machine learning. During the 2016 edition of the FIC (Forum International Cybersecurity), Gatewatcher was awarded the French Cybersecurity accreditation rewarding innovation in the cyber defence field. It's also being certified by ANSSI (French Cybersecurity Agency) and meets the requirement of the Military Planning Act.

The main purpose of the internship is to develop an advanced backdoor for our pentest activities, giving complementary capacities to public solutions currently available. The backdoor will have several essential goals, amongst them: multi-session management, automatic proxy detection and the ability to adapt to large environments or to be automatically disabled after a pentest.

#### Skills:

- Programming: Rust, C (for bindings), Python...
- Network: protocol design, P2P, sockets, routing...
- Web: Python, Django, PHP, JSP et ASP (a very appreciated plus, but not mandatory).

#### Profile:

- You've already compromised machines and used Meterpreter
- You enjoy open-source developing and are passionate
- You're curious, autonomous and proactive.

Feel free to send us articles, blog posts, challenge resolutions, POC or IT security projects you worked on!

#### In a few words

**Sector:** cybersecurity

**Position:** pentest intern

**Contract:** internship

**Location:** 42, Rue Washington, 75008 Paris

**Remuneration:** depending on profile

#### To apply

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More info on [www.gatewatcher.com](http://www.gatewatcher.com)