

Maxime Guerreiro

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📍 punkeel

in [maximeguerreiro](#)

Software engineer looking for a full-time position where I can apply my **3+ years** of software development experience, **network security**, and **counter-abuse** skills.

Work Experience

2018 **Google**, *Software Engineer Intern*, Gerrit Code Review, 6 months

Gerrit is an open-source code review system used by thousands of developers. My internship mission was to improve the system allowing project owners to define under what conditions commits can be merged.

- Increased engineers' productivity with high-visibility changes.
- Changed the way rules are written, using Java instead of Prolog.
- Built a point-and-click interface to configure those rules.
- Designed and developed a secure execution **sandbox** to evaluate JavaScript rules.

2017–2018 **Hypixel**, *Software Security Engineer*, 5 months

- Conceived mitigation against L3 and **L7 DDoS attacks**.
- Developed **high-performance micro-services** using **Netty**.
- Designed and built tools to detect and block video-game cheaters: processing more than **400,000 packets per second** using heuristics and **Support Vector Machines**.

2016–2017 **OVH**, *DevOps Engineer Intern*, Security Operations Center, 6 months

During this internship in the Security Operations Center, my mission was to build a software and hardware protection against USB threats.

- Conceived the first open-source **Content Disarm and Reconstruction software**.
- Created a web interface to access the files of a USB thumb.

These two projects are hosted on GitHub 📄 [docbleach](#).

2015–2016 **Epicube**, *Software Engineer*, 12 months

- Wrote a **high-performance proxy** server, worked on **cheat detection** systems.
- Built **DoS mitigation** tools in **Go**.
- Installed, configured and managed servers running the public facing services.

Formation

2018 **M.Sc. in Computer Science**, University of Technology of Troyes, France
Minor in **Security of Systems and Communications**.

2015 **B.Sc. in Mathematics**, *Higher School Preparatory Class*, Pierre d'Ailly, France

Skills

French **Native**

English **C1** (BULATS certification)

German **B1+**

Programming **Languages:** Java, Python, Go, C++, PHP, JavaScript, Lua
Frameworks: Netty, Vert.x, JUnit, Django, TensorFlow, Keras

Databases MySQL, MongoDB, SQLite, Redis, Elastic

Virtualization Docker, KVM, OpenVZ, libvirt