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# Maxime DERCHE, Information Technology Manager



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## Certifications

- [ISO 27001:2022 Lead Implementer](#) (december 2023) ;
- TOGAF 10 (planned by end 2024) ;
- Next steps: CISM, ISO 27005 (Risk), ISO 27701 (Privacy), ISO 22301 (Business Continuity), COBIT, etc.

# Career

- **Founder - President:**
  - **Maxime DERCHE Information System Consulting France** (Lille), since April 2019:
    - → IT infrastructure consulting: strategy, management, architecture, security ;
- **IT Security Manager (CISO):**
  - **Cerise Media** (Tourcoing), from January 2018 to April 2019:
    - → management of the three main projects related to IT security: conformity with the GDPR, conformity with Bertelsmann's IT security management system (ISO27001 ISMS), and setup of a global business continuity plan ;
- **IT Infrastructure Manager:**
  - **Cerise Media** (Tourcoing), from September 2016 to December 2017:
    - → with the CTO, complete redesign of the hosting infrastructure for the international Gentside and OhMyMag! websites, implementation of the best practices (automation, etc.), security management, team management, recruitment ;
- **Information System Architect :**
  - **Elosi** (Villeneuve d'Ascq), from April 2015 to August 2016:
    - → design and implementation of a web hosting platform, from the paperboard to the racks in the datacenter, then draft the exploitation, maintenance and security procedures to operate the platform ;
- **System and Network Administrator:**
  - **Runiso** (Lille), from November 2014 to March 2015:
    - → member of the System and Security team in a PCI-DSS hosting environment ;
  - **Econocom :**
    - **Oxylane/Décathlon** (Villeneuve-d'Ascq), from March 2011 to October 2014:
      - → IT system engineering and administration, maintenance under operational conditions and continuous improvement of the international e-commerce platform, automation and management of the applicative deployments, technological watch, team training, setup of a security policy and of technical security countermeasures, technical architecture advising ;
  - **CERIZ** (Lille puis Villeneuve-d'Ascq), from November 2009 to February 2010 ;
- **Développeur :**
  - **GOTO Software** (Hem), from August to September 2008;
    - member of the R&D team of the VadeRetro antisipam software ;
- **English to French translator :**
  - *Cisco Routers for the Desperate and Absolute FreeBSD, second edition* by Michael W. Lucas, *The Book of PF* by Peter N.M. Hansteen, and *Designing BSD Rootkits* by Joseph Kong.

## Hard and soft skills

- **Information System Management :**
  - maintenance under operational conditions of information infrastructures (support, monitoring, incident response) ;
  - technical architecture for web hosting ;
  - collaborative tooling for the users ;
  - open governance based on technical excellence, infrastructure security and data

protection ;

- **team management :**

- modern and caring management methods (right to fail, tolerance) ;
- agile project management (scrum method) ;
- knowledge management and transmission ;
- continuous training (conferences, press, technical library) ;

- **personal management :**

- high expertise of the free software field (ecosystem, communities) ;
- deep social network, at personal, communitary, professional and political levels ;
- speaking and writing skills (live radio shows, conferences, articles) ;
- fluent in English, basic level in German, and beginner in Japanese ;
- artistic and literary sensibility ;
- golf beginner (index 54) ;
- father.

## Technical references

- **Hardware :** HP (ProLiant, Moonshot), Dell, SuperMicro, Soekris, Sun/Oracle SPARC, Silicon Graphics ;
- **datacenter infrastructure management ;**
- **free UNIX systems:**
  - GNU/Linux : Debian, Gentoo, Red Hat, Slackware, Ubuntu ;
  - FreeBSD ;
  - OpenBSD ;
  - shells ZSH et Bash ;
  - tmux, vim, sed, grep, etc. ;
- **networking:**
  - firewalls: Packet Filter, pfSense, OpnSense, NetFilter/IPTables ;
  - VPN: IPsec, OpenVPN ;
  - SSH (OpenSSH, PuTTY), DNS/DNSSEC (ISC Bind, NSD, Unbound), DHCP, PXE booting, etc. ;
  - remote console systems: HP iLo, IPMI, Sun LOM/ALOM/ILOM ;
  - load balancing: KeepAlived, HAProxy ;
  - Cisco solutions management ;
- **security :**
  - general cryptography, TLS/SSL, certification authorities (PKI, CACert, Let's Encrypt) ;
  - OpenSSL/LibreSSL, GnuPG ;
  - secret management (KeePass) ;
  - Network (Suricata) or host (rkhunter, OSSEC) intrusion detection/prevention ;
  - vulnerability assessment: OpenVAS ;
- **Web :**
  - Apache HTTPd, Nginx, Varnish, HAProxy ;
  - PHP (PHP-FPM, APC, Zend OPcache, memcached), Ruby on Rails ;
  - Java (Oracle JDK, OpenJDK), Apache Tomcat ;
  - DotClear, WordPress, DokuWiki, MediaWiki, StatusNet, ownCloud, NextCloud, Tiny-Tiny RSS, Mattermost, webalizer, Awstats, Piwik, etc. ;
- **e-mail :**
  - protocols: SMTP/SMTPS, POP/POPS, IMAP/IMAPS, SPF, DKIM ;
  - Dovecot, Postfix, ClamAV, OpenBSD spamd, GNU Mailman ;
- **databases :** PostgreSQL, MySQL ;

- **monitoring** : SNMP, Nagios/Centreon, PNP4Nagios, Shinken, Graphite ;
- **backup** : Bacula, Bareos ;
- **configuration management** : Puppet, Foreman, Rundeck, Ansible, AWX/Tower ;
- **development tools** : Git, Gitlab, Mercurial, MantisBT, Jenkins.

## Études

- 2001 - 2010 : Licence d'Informatique (Université Lille I, France), not completed.
- June 2001 : Baccalauréat Scientifique (Lycée André Malraux, Béthune, France).

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