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Maxime DERCHE, Information Technology Manager



Maxime DERCHE
11, rue Louis Delos
59800 LILLE
FRANCE

36 years old

- **Telephone :**
 - telephone : +33 3 20 77 01 87 ;
 - mobile : +33 6 85 47 19 47 ;
- **e-mail :**
 - maxime+cv@mouet-mouet.net ;
 - [OpenPGP public key](#) ;
 - ID : 0xAE5264B5 ;
 - fingerprint : 7221 4C4F D57C 456F 8E40 3257 47F7 29A6 AE52 64B5 ;
- **web :**
 - ⇒ <https://www.mouet-mouet.net/> ;
 - ⇒ <https://www.mouet-mouet.net/maxime/>.

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/SMTSPS, 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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