

# Loïc Castel

<http://loic.castel.netcv.com>

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57, rue Corot

92410 Ville d'Avray - France

32 years old

## Security Consultant, Telindus Security Research Center

Security consultant / Security R&D / Malware analyst

### Security consultant / Pentester

**Telindus France**

Since February 2012

Les Ulis - France

- Onsite and remote penetration testing in several situation, including environments like Citrix, Active directories, transactionals sites, ...
- iOS (iPhone or iPad operating system) application audit , reverse-engineering on ARM-based devices, vulnerability discoveries, remote exploitation and multiple development on iOS platforms
- Multiple development including trojan horses for several platforms, or a tool to discover and crawl an entire company group points of presence on the web.
- MISC 67 - French IT security magazine - Publication of an article intitlled "Mach-O format manipulation and concrete applications on Apple executables"

### Security consultant / Pentester

**Thales Communications &  
Security**

From October 2010 Till February 2012

Velizy-Villacoublay - France

- Penetration tests (Applicative, System, Network, Internal, Nomad access)
- Multiple "proof of concept" implementation in order to demonstrate advanced exploitation of several known vulnerabilities, including threats on Full disk encryption solutions
- Advanced vulnerability assesment on specific products
- Software reverse-engineering
- Code assessment
- Configuration assessment
- Client sectors included banks, finances, insurances and public.

### Penetration Testing Engineer

**Telindus**

From June 2009 Till October 2010

Les Ulis - France

- Consulting in several areas of security including penetration testing, application vulnerability assessments, network vulnerability assessments, and network and wireless security.
- Performing onsite and remote penetration testing, application testing, web application security assessment, onsite internet security assessment, social engineering, wireless assessment, and VoIP infrastructure
- Performing ethical hacking to assess the vulnerabilities of test, Internet, and/or Intranet including Windows, Linux, AIX, Solaris and HP-UX connected systems, networks, and applications
- Writing and presenting reports on security vulnerabilities to both internal and external customers.
- Developing of a remote browser security test platform, in order to assess client-side vulnerabilities

### Security auditor internship

**Devoteam S.A.**

From January Till June 2009

Levallois-Perret - France

- Security Audit and Vulnerability assessment.
- Development of an application maintaining a vulnerability database, allowing to insert datas in a security report Security tools upgraded.
- Penetration testing in insurance and telecommunication domain.

### IT Software Engineer

**Vanksen Group**

From October 2007 Till January 2008

Bertrange - Luxembourg

- Development of a WCF service doing important data synchronisation in C#.

## **Education Interests Background**

- Managing of an entire project concerning the service, and creating and linking these data with SQL Reporting.
- Security audit on all websites (around 10) of the group, finding and fixing several web security holes and network vulnerabilities.

### **Security Internship**

**From August Till October 2007**

**Lumension Corp.**

Bertrange - Luxembourg

- Internship in a QA department of Lumension Corp, Microsoft Gold Partner society
- Writing of several test cases and user integration tests
- Security audit of some features of Lumension Endpoint Security softwares, including Client Hardening, File Type Filtering, and specific vulnerability assessments

### **Marketing and Communication placement**

**From February Till May 2007**

**French Embassy in Thailand**

Bangkok - Thailand

- Creation of some communication tools for the Embassy, in the press department.
- Audit of the governmental website and upgraded it and adding of a newsletter system and integration of an administration software.
- Writing of some press revues, in English and French, and organizing Presse Conferences in Bangkok.

### **Network and Telecommunication placement**

**From May Till August 2006**

**Orange France**

Lille - France

- Working on the GSM/UMTS architecture, in mobile networking and creation of a mobile detection tool.

### **Network and Telecommunication Engineering**

**June 2009**

**Telecom Lille**

Villeneuve D'ascq - France

Chosen Option : Network Security

### **Engineering, Security and Networking degree Ecole Polytechnique de Montreal**

**January 2009**

Montréal - Canada

### **OPST Certification**

**OSSTMM Professional Security Tester - Obtained in April 2010**

### **OSCE Certification**

**Offensive Security Certified Expert - Obtained in May 2013** - Identifying hard-to-find vulnerabilities. - Conducting intelligent fuzz-testing. - Analyzing, correcting, modifying, and porting exploit code. - Hand-crafting binaries to evade anti-virus software.

**English**

**Bilingual**

**German**

**Average**

### **Extra activities**

Taek-Won-Do, Karaté, Jogging and Swimming practice

Music playing (Piano, Bass et Jazz Guitar).

Vulnerability assessment on various products, taking part in "Capture the flag" events about solving security challenges in team or by myself.