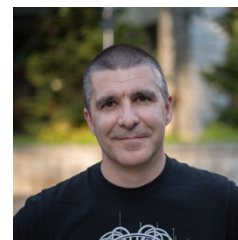


# Sébastien ANDRIVET

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## Computer Security Expert

### Competencies

- More than 20 years of IT experience, including 12 years in information security
- Reverse engineering, especially x86 and ARM with IDA Pro
- Forensic with EnCase and Tableau hardware blockers. Holds two forensic certifications.
- Pentesting (Web, iOS and Android applications)
- Development in C, C++, Swift, C#, Java, Typescript and Python
- Certified (EnCase EnCE, CEH, ECSA, CHFI)

### Professional Experience

#### 2014-2017 - Senior Security Engineer

SCRT SA, [www.scrt.ch](http://www.scrt.ch)

- Computer security consultant (web audits, pentests, mobiles, forensics)
- Computer security trainer: Forensics

#### 2013-2014 – Security Expert

Kudelski SA / Nagravision – Forensic and Legal Analysis Department, [www.kudelskisecurity.com](http://www.kudelskisecurity.com)

- Security audits on Nagra products and for external clients
- Analysis of security products like commercial obfuscators, encryption solutions, mobile device management systems
- Security trainer: Forensics and iOS & Android pentesting

#### 2002-2013 – Security Expert

ADVTOOLS SARL, [www.advtools.com](http://www.advtools.com)

- Computer Security consultant (audits, pentests, forensics), Windows, Linux, Android and iOS
- Computer Security trainer: IIS, Apache, iOS development and pentesting
- Development in C++ (Windows, Linux & Mac OS X), C++/CLI and C# (.NET 3.5), Objective-C
- Speaker for several security events (BlackHat, HackInParis, La Nuit du Hack, ...)

#### 2002-2009 - IT Security Officer & Technical Architect

Consultant at Cotecna Inspection SA, [www.cotecna.com](http://www.cotecna.com)

- IT security officer:
  - Validation of internal or third-party web applications, systems and network architectures; creation of security policies, recommendations and procedures.
  - Security audits and pentesting, Forensics after security incident.
- Technical architect & .NET developer:
  - Consultant for the development team regarding architectural choices, integration of systems, difficult technical problems, etc.
  - Conception and architecture of web applications and distributed systems.

## 2001-2002 and 1998-1999 - Software Engineer

FotoWire S.A. [www.fotowire.com](http://www.fotowire.com), now part of HP (Printing Group division)

- Development of Windows components (client side and server side) in C++.
- Integration of a component inside Windows in collaboration with Microsoft.
- Creation of a component to integrate the Fotowire solution with Adobe products.

## 1999-2001 - Technical Architect, Project Manager, Software Engineer

LeShop S.A., [www.leshop.ch](http://www.leshop.ch) now owned by Migros

- Project Manager of the complete rewriting of LeShop system using new technologies for LeShop.ch, LeShop.de and LeShop.com.ar. Management of a team of 8 persons.
- Architect of a new back-end system and of the integration of the e-Commerce server with the Warehouse.

## 1994 and 1996-1998 - Software Engineer

CPI France, then Hi-Image (subsidiary of Hyundai)

- Development of parts of the multimedia and OCR softwares.

## 1992-1995 - Programmer

University Medical Center (CMU) of Geneva

- Development of a data acquisition and processing software for scientists.

## Before 1995

During my studies (schools)

- Creation of a disassembler for 8-bit processor (Z80) and of games, in assembly

## Studies and Training

- 2017: EnCase EnCE certification
- 2012: Computer Hacking Forensic Investigator (CHFI), EC-Council
- 2008: Certified Security Analyst (ECSA) by EC-Council with a success rate of 98%.
- 2008: SensePost training "Hacking by Numbers" at Black Hat Europe 2008 (Amsterdam).
- 2008 : Certified Ethical Hacker (CEH) by EC-Council.
- 2007 : "Exploit Laboratory : Analyzing Vulnerabilities and Writing Exploits" BlackHat Europe.
- 2003: MCP Certification (Microsoft Certified Developer) ASP.NET C#.
- 1996-97: MCP Certification (Microsoft Certified Developer).
- 1990-1994: Studies (Computer Sciences) at the University of Geneva. Best project price.

## Publications and Presentations

- 2014: C++11 Metaprogramming Applied to Software Obfuscation, BlackHat Europe 2014
- 2013: MobileIron Security Review White Paper
- 2013: Attaque de l'e-voting: Un cas concret (La Nuit du Hack 2013)
- 2012: MISC #64 – "Le test d'intrusion d'applications iPhone et iPad"
- 1999: C/C++ Users Journal – "A simple XML parser"

## Miscellaneous

- Born in 1971
- Swiss nationality.
- French: mother tongue, English: written, talk.