

Julien Bachmann

French citizenship

Date of birth : 28 March 1985

Email : julien.bachmann [at sign] gmail.com

Web : <http://www.jbachmann.fr>

System Network and Security Engineer

Working experience

- Since October 2009
February 2008 - September 2009
September 2006 - January 2008
December 2006 - January 2008
October - December 2006
2006
July 2003 and July 2005
- SCRT, Preverenges**, Penetration tests, forensics, research & development.
- ilion Security SA, Geneva**, Network and web applications penetration tests, forensics, code review, research & development.
- EPITA, Paris**,
Teacher : Network and web security (1 month)
Teacher : Software flaws, exploits development, rootkits and backdoors (2 months)
Teaching assistant : C/UNIX (5 months)
System administrator : Network and Security department (1 year).
- Institut Sup' Biotech de Paris**, Teacher : C/UNIX.
- LIP6, Paris**, Implementation of reading access rights on a large scale distributed file system using cryptography.
- Epita System and Security Laboratory, Paris**, Portage of a kernel module (FUSE) from Linux to NetBSD.
- F. Hoffmann-La Roche Ltd, Basel**, Customers support team.

Education

- September 2003 - June 2008
2003
- Bachelor's degree program (5 years), with major in system, network and security, EPITA (School of Computer Sciences and Advanced Technologies), Paris.**
<http://www.epita.fr>
- A-levels in engineering sciences with mathematics option, Baccalauréat Général Série Scientifique Option Sciences de l'Ingénieur, mention bien.**

Computer and programming skills

- Administration
Programming languages
Security
System programming
- Linux, OS X, Windows (workstation and server), FreeBSD, Postfix, Apache, Packet Filter
C, C++, x86 Assembly, script shell, python, Java
Unix, Windows, cryptography, reverse engineering, software flaws research, risks analysis, incidents management, attack technics, rootkit technologies, covert channels
Linux system programming (ftp server, memory allocator, unix shell), realization of an operating system, ia32 and MIPS architectures

Publications

- MISC #33 **rootkit using virtualization technologies**, Julien Bachmann and Sébastien Bombal, September 2007, www.miscmag.com/fr/.
- MISC #48 **in-memory fuzzing using PaiMei**, Julien Bachmann, March 2010, www.miscmag.com/fr/.

Languages

French	native language
English	good skills, both written and spoken (920 points at the TOEIC test)
German	good knowledge

Hobbies

Winter sports	Ski and snowboard
Summer sports	Downhill and cross-country mountain bike
Others	Free climbing, hiking