

Profile

- Experienced IT security consultant 20 years of expertise.
- Recognized communication and team building skills.
- Architect with experience of a wide range of technologies.
- Expert in system and network security.
- Self-dependent and motivated.
- Enthusiastic about extreme challenges.
- International mobility appreciated

Career History

January 2017 – now

Agence Nationale de Sécurité des Systèmes d'Information

<<http://ssi.gouv.fr>>

French government computer security agency / CERT-FR

Co-author of the course SECUINDUS by HS2 on ICS security

<<https://www.hs2.fr/formation/secuindus-cybersecurite-des-systemes-industriels/>>

September 2011 - December 2016

Hervé Schauer Consultants <<http://www.hsc.fr>>

Computer security consulting

Senior, computer security consultant, CTO and head of SANS trainings.

Consulting on information security: organisationnal and technical aspects, risk assesement, audit, architecture and implementation support, particularly on cryptography implementation and security in the developement process.

Teaching the following courses:

- APKI: principles and implementation
- Industrial Control Systems security (SCADA/ICS)
- Computer security system accreditation
- Risk Manager ISO27005
- Advanced Risk Management

SANS Community Instructor:

- SEC401: Security Essentials Bootcamp Style
- DEV522: Defending Web Applications

June 2010 – August 2011

CS-SI <<http://www.c-s.fr>>

System Architect,

Integrator, Operator of mission critical systems

- Technical Director on a high security messaging system project in governmental context
- Architecture and system design
- Integration of a dedicated secure system platform and setup of system life management

Technologies : PKI, IP networks, directories, messaging, UNIX systems, cryptography, TLS, S/MIME, STANAG and Internet messaging protocols., Common Criteria

July 2008 – June 2010

GCSS, Abu Dhabi, UAE <<http://www.globalcomm.ae>>

Senior System Architect, R&D department manager

UAE Governmental Project

- Conception of systems for governmental environment
- Organisation and management of a R&D team
- Planning and operation of transfer of know-how on information system security (secure messaging and VPN particularly)

October 2006 - July 2008

CS-SI <<http://www.c-s.fr>>

System Architect,

Integrator, Operator of mission critical systems

- Monitoring architecture on a governmental project
- Interventions on system security and integration
- Vulnerability study technical direction
- Technical direction of a network device for multilevel environment program
- Pre-sale architecture for defence projects

Technologies : PKI, IP networks, supervision, directories, messaging, UNIX systems, cryptography, TLS, S/MIME, SNMPv3, Multi-level security.

June 2005 – October 2006

Xooloo <<http://www.xooloo.net>>

Chief Technical Officer

Internet access filtering for children

- Corporate strategy and project management,
- Systems and network architecture
- Internal development process organisation
- Team recruitment and organisation
- Software developments

Technologies: XML-RPC, HTTP, PostgreSQL, Squid, Apache, Postfix, Memcached, Subversion, RT, dotProject, mod_perl, Perl, C++, PHP, wxWidgets, libCurl, Linux, Solaris

May 2002 – June 2005

CR-Conseil

Freelance consulting and software development

- Internet and computer security training,
- Design and development of small scale databases, system integration, XML search engine and web sites development.
- CRM project management for a small consulting firm

Technologie : PostgreSQL, MySQL, PHP, Perl, wxPerl, Zope, Python, VBA, MsAccess, EMCA-Script

Sept. 2002 – April 2003

Innovation 128 <<http://www.innovation128.com>>

Software Analyst / Developer

Business Intelligence

- Architecture, analysis and development of a CMS, workflow and scientific data analysis automation
- Training for consultants (scientific analysts) in IT and data exploration technologies

Technologies: PostgreSQL, Ms Access, Lotus Notes, PHP, VBA, Lotus Script

June 2000 - Aug. 2002

Xooloo <<http://www.xooloo.net>>

Manager of Information Systems

Internet access filtering for children

- Systems architecture and conception,
- Project management, internal team setup, and contractor management
- Web/Webservices/RDBMS developments on Solaris/Linux,
- Development of a security kit for Ms Windows taking control of Internet Access, including strong cryptography and a web browser.

Technologies: Oracle, Sybase SQL Anywhere, WebObject, Apache, CVS, Java, Perl, Shell UNIX, C++, Java, MFC, PHP, Visual Basic, Linux, Solaris

Apr. 1999 - May 2000

Mediterranean Network

IT development and IP networks manager

Telecom carrier and ISP

- Project management and supervision in 3 locations (Paris, London, Monaco),
- In charge of Internet Autonomous System 5560 (AS5560),
- Network architecture, Telecom and Internet developments.

Technologies: IPv4, Radius, Tacas+, SNMP, Cisco routers and PIX, MySQL,, PostgreSQL, Oracle, Sendmail, Postfix, Bind, Perl, SQL, Windows NT, Tru64, Linux, Solaris

Dec. 1997-Marc 1999

Mediterranean Network (now part of Belgacom)

System administrator and software developer

Telecom carrier and ISP

- Systems and network administration
- Various software development projects for the Internet department
- Development on a prepaid phone callback system
- co-developer of a Telecom supervision and billing system
- toll-tickets management, multi-site workflow, collection, reporting, billing
- development of an Ericsson AXE10 control system (least cost routing, alerts).

Technologies : IPv4, Radius, Cisco and 3com routers and switches, APEX platforms, FTAM, Ericsson AXE10, Oracle 8, Oracle Developer 2000, C, Sendmail, Solaris, Apache, Digital Alpha and Linux PC servers, Perl, UNIX shell, OSF1

Other experiences :

- **1996 – 1997, military service (as sergeant) :** minor development on an access control system using Delphi,
- **1996, 6 months internship at Mediterranean Test Center** (missile test center) : real-time C programming on SGI/Irix.
- **1994, 6 months internship at IBM La Gaudie Research Center :** networked SGML document management system development using Rexx and XEdit on VM/CMS

Computer technologies

Domains: Security, Cryptography, Messaging, Internet infrastructures, Governmental systems, Supervision

Information Security: Common criteria, Multi-level systems, Ebios, IPSec, PKI

Languages : Go, C/C++, Perl, Python, Ruby, Visual-Basic(et VBA), SQL(various dialects inc. PL/SQL), Shell, JavaScript, PHP, Java, (x)HTML, XML, LATEX, Powershell

Platforms : UNIX (Linux, Solaris, OpenBSD, OSF1, IRIX, NeXTStep), Ms Windows, Ms Dos, Cisco IOS

Database management systems : Oracle (7, 8, 9), Sybase SQL Anywhere, PostgreSQL, MySQL Ms Access, SQLite

Libraries & API: Boost, Qt, OpenSSL, NSS, Botan, wxWidgets, SDK Win32, Boost, Expat, TinyXML, LibXML2, Curl, XML-RPC, NSS, Net-SNMP, PKCS#11, XMLSec, 6Wind stack, PAM

Software : Apache, Bind, Postfix, Sendmail, Samba, OpenSSH, OpenLDAP, Net-SNMP, Cacti, Nagios, DotProject, RT, MsProject, OpenLDAP, 389 directory, Trac, Mantis, Subversion, suite Courier MTA

Software engineering : UML, Merise, Design patterns

Network devices : Cisco routers and switches, HP switches, Arkoon firewall, IPv4

Education

1996 Maitrise d'Informatique (mention AB)

UK equivalent : Master's degree in Computer science (2:1)

Université Toulon-Var <<http://www.univ-tln.fr>>

major: database and information security.

1994 DUT Informatique

UK equivalent : diploma in software engineering

IUT Nice Sophia Antipolis <<http://www-iutinfo.unice.fr/>>

1992 Baccalaureat in Mathematics and Physics

UK equivalent : A – Level

Lycée Massena, Nice <<http://www.ac-nice.fr/etabs/massena/>>

Miscellaneous information

Languages:

- English (fluent, significant experience in English speaking work environment)
- French (mother tongue)

Light vehicle driving licence

Personal interests: martial-arts, scuba-diving, trekking, international relations

Member of the ACM <<http://www.acm.org>>

Linked-In <<http://www.linkedin.com/pub/christophe-renard/4/596/833>>

- additional information and/or references available upon request -