Bertrand JACQUIN
36, rue Auguste Blanqui
94600 CHOISY-LE-ROI
France

<div align="right">

29 years old (11/10/1984)
+33.6.80.45.85.91
bertrand@jacquin.bzh
Driver licence

</div>

<div align="center">

Network and Security Engineer

</div>

SKILLS

Programming Languages	**C**, **bash**, awk
Formatting Languages	**Latex**
Autodidact	
Operating Systems	**GNU/Linux**: **Gentoo** (Mastered), **RedHat**/CentOS, Debian, Formilux
Network Devices	**Cisco**, HP Procurve, Nortel, Linux kernel
Routing	BGP, OSPF, **iproute2**, VRF – bird, Quagga
Firewall / VPN	Linux **NetFilter**, Checkpoint (Secure Platform), **OpenVPN**, OpenSWAN, Cisco ASA, FreeRADIUS
Load Balancer	Exceliance Aloha, LVS, **Haproxy**
Web	Apache, mod_security, Squid, Varnish, nginx
Mail	**Exim**, Barracuda SpamFilter, Postfix, mlmmj, Dovecot, Spamassassin
IT services	NFS, DRBD, ISC Bind, ISC DHCP
Virtualization	QEmu/KVM, Xen, Vmware
Monitoring	**Nagios**, Cacti, RRDTool, **POM**
Troubleshooting	**tcpdump**, tcptrace, **strace**, ntop, snmp
Log Handling	syslog-ng, Snare
Databases	**OpenLDAP**, MySQL
Proficient In	**Vi(m)**, OpenOffice, Subversion, **git**
French	Native
English	Read, Oral and Written
Breton	Intermediate

WORK EXPERIENCE

07/07 – Present
(6 years and 7 months)

Network and Security Architect for **Exosec** (78 – Jouy-En-Josas/France) – **Full-Time**

Monitoring systems and network development, network architecture, customer reference, develop POM (open monitoring platform), audit and securing network and web infrastructure, L2/L3/L7 filtering and tracing, high-availability

Pre-sales
Technical support

Security:

- **WiFi:** Design and implement secured WiFi solutions dedicated to business leaders based on standards protocols: WPA2, 802.1x, RADIUS, IPSEC.
- **Checkpoint**: Spreading Checkpoint SPLAT firewall, establish back return processes, installation, automated backup and restoration processes.
- **Hadopi Ready**: Design and implement embedded devices targeted to secure and trace internet access in environment like hotspot, integrating centralized logs and management.
- **Expertise Squid**: Expert in web filtering using Squid and Olfeo solution: NTLM, advanced filtering (Conseil Général de l'Oise, APGIS, EUROP-ASSISTANCE).

- **Expertise WAF/mod_security**: Implement reverse proxy solution using Apache and mod_security, log analysis and rules optimisation

Infrastructure:

- **Project management**: Referring and technical council for website and server hoster (5000 customers). Network architecture optimisation (Cisco), homogenization and automation of customer management interfaces, infrastructure resiliency optimisation. Implement Apache modules dedicated to secure shared services. Used technologies are Debian, DRBD, heartbeat, haproxy, netfilter, Apache, mod_security, PHP, MySQL, bash.
- **Audit / Analysis**: Audit analysis infrastructures (Cisco, HP Procurve, Nortel Networks, 3Com) targeted to resiliency optimisation and network mastering (monitoring) (VRRP, HSRP, OSPF, Spanning-Tree) (WFS, Europ Assistance).
- **Council and Integration**: help and achievement in laying out new building with Cisco devices focused in resiliency for security, telephony and monitoring (BMW leasing company).
- **Migrations**: Renew switching and routing architecture in 2 nuclear plex with 10 and 6 buildings outstretched on 9 hectares. HP Procurve deployed with a high level of security and resiliency (ACL, Spanning-tree, trunk etc) (Andra).

Monitoring:

- **Council**: Council for monitoring architecture (Conseil Général de l'Oise, Alphabet, Europ Assistance, Uniprevoyance, Apgis, Laboratoires Expansience etc).
- **Exosec**: Help and council for POM project (Exosec). Recommendation and develop the original core and modules of POM concepts for making monitoring more accessible for non dedicated teams favoured by optimal usage of nagios, rrdtool and Microsoft Excel as a configuration source.
- **Log management**: Compare and benchmark log centralized management solutions (Syslog-NG, Rsyslog, Snare).
- **Traffic monitoring**: Council and implement GigaStore solution (Network Instrument) in network core for post analysis on 1 week retention. Analyse network traces looking for abnormalities.

07/13 – Present	Self-employed person in spare time since September 2013: Criteo, Britt, EFLTech, Iperia, Triskel Studio
01/05 – 07/07 (2 years 1/2)	**System administrator** for **3S** (78 – Saint-Quentin-En-Yvelines/France) - **Full-Time** Convert an automated installation solution from HP-UX to GNU/Linux, Administrated soredi-france.com domain, Dollar Universe & CFT development for Wanadoo (ISP) (78 – Guyancourt/France). Major development established on BSS (Accounting and billing, Orange/Wanadoo merge) – 1 year
12/04 – 01/05 (1 month)	**Training course** as **Network & Security technician** for **Écritel** (92 – Clichy/France) Hoster network administration
04/04 – 07/04 (3 months)	**End of DUT training course** for **France Télécom research and development** (22 – Lannion/France) Develop a backup and restore solution for Linux system for QA team (via network, CD-Rom and USB drive)

PERSONAL EXPERIENCE in free software

Found & administrator of IRCme IRC hub (irc://eden.ircme.net) from November 2003 to July 2005.
Contributor to **Gentoo** project & GentooFR (http://www.gentoo.org) since July 2004: bugfix, documentation, development.
Systems and network administrator for **Enlightenment** project (http://www.enlightenment.org) since 2006: hosting
Founder of **Enlightenment-FR** association (http://www.enlightenment.fr): hosting, helping users, create events
Apache module development: mod_virtualvalue, mod_ruid
Hosting resources for **Numer'Île** association (http://www.numerile.tv): digital readout, ebook format
Develop a GNU/Linux distribution for embedded devices dedicated to network: i586, MIPS, ARM (experimental state)

EDUCATION

2004-2007	**Engineering school - École des Technologies Numériques Appliquées (ETNA)** (Paris/France) Specialisation in System, Network and Security Alternate training department of Epita/Epitech schools
2004	**DUT (Two-year university degree in technology) Telecom & Network engineering** Specialisation in Optical Telecommunication Cisco CCNA preparation **Université de Rennes 1 – Lannion IUT** (France)
2002	**High school diploma** in **Electronic engineering (with honours)** Lycée Yves Thépot (29 - Quimper/France)

AND HOBBIES

- Trail Mountain Biking
- Swimming
- Science-Fiction Literature