



NETWORK AND SECURITY ARCHITECT/ENGINEER



- ◆ Fascinated by technological challenges
- ◆ Curious, great aptitude to learn
- ◆ looking at ambitious projects

EDUCATION

- 2006 : **Ph.D.** in nanotechnology (CNRS – passed with highest honours).
- 2003 : **Master's degree** in geology (University Joseph Fourier of Grenoble, with honours).
- 1995 : **Master's degree** in computer science (CNAM, University of Montpellier II, with honours).
- 1994 : **Master's degree** in microbiology (University of Montpellier II, with honours).
Engineer in Agronomy from National Agronomy School of Montpellier.
- 1989 : Baccalauréat **F7** in biological science, option biochemistry (with honours).
1^{er} Price in Olympic National Chemistry, 1^{er} Price in National Competition in Biochemistry.

HIGHLIGHTS

- ◆ Technical and scientific training in various fields, resulting in a significant open-mindedness and real analytical capabilities. Cisco Certified CCNP and CCDP.
- ◆ Strong technical background in Network and Security, acquired during ten years of experience.
- ◆ Natural aptitude to solve complex issues in operational environment.

LASTEST WORK EXPERIENCE

2011 - 2007 : **Group AG2R/La Mondiale**, DSI, Chartres (4 years)

Network Architect/Engineer

- Technical leadership for massive 802.1x deployment on all AG2R-La Mondiale sites. Design, implementation and support of the security platform. Authentication of workstations, printers (MAB) and IP phones with dynamic assignment of data and voice vlan, guest and auth-fail vlan for enforcement.
- Design and implementation of a campus site in Lille (3-tier). 5 buildings, 800 users.
- Design, implementation and optimisation of a metropolitan area network (Paris) with high availability. VRF lite, OSPF multi-area, Inter-VRF routing by VRF FUSION/ACL.
- Improvement of security for layer 2 inter-datacenter links for geocustering and virtualization: theoretical study of VSS/EoMPLS/VPLS technology.
- Testing and validation of various concepts (EIGRP, multicast, spanning-tree, etc).
- Writing of technical documents: architecture design, technical specifications, migration planning, prototyping reports. 3nd level Network Support.
- Team training in routing & switching.

Security Engineer

- Design and implementation of a high availability security platform (Cisco ASA in active/active mode, multiple context and asymmetric routing) for AG2R/La Mondiale messaging system (8500 mailbox).
- Technical expertise on a VPN security platform. Filtering, site-to-site VPN extranet/internet and client-to-LAN VPN (IPSEC and SSL portal).
- 3nd level support for the group's Internet platform (8500 users).
- Prototyping of a NAC solution for LAN and VPN access (Cisco NAC/Macfee PE).

LASTEST WORK EXPERIENCE

Environment : Cisco, LAN/MAN/WAN, TCP/IP, switching, STP (802.1d, 802.1w, 802.1s), etherchannel, 802.1x, IGMP snooping, DHCP snooping, DHCP, DAI, IP source guard, POE, HSRP, ARP, routing, OSPF multi-area, EIGRP, RIP, VRF-lite, IP SLA, QoS, stateful firewall ASA/PIX/Checkpoint, large ACL management, ACS (radius/tacacs), VPN IPSEC (L2L/C2L), ToIP (Avaya, Alcatel), NTP, load balancing, wireshark, virtualization.

EXPERIENCE

2006 - 2003 : **CNRS (National Center for Scientific Research)**, Orléans (3 years)

Ph.D. (nanotechnology/ precambrian micropaleontology)

- Advanced Imaging Techniques (AFM, MEB, TEM, FIB, Raman, SXM, Optical).
- Presentation of work in front of international audiences during workshops.
- Writing of financial assistance document and answer to invitation to tender.
- Publications in peer-review journals (Organic Geochemistry, Surface Science).
- Stanley L. Miller Award for outstanding contributions to origins of life research.

2002 - 2001 : **Hewlett-Packard**, Grenoble (1 year and a half)

Network engineer

- 2nd network support in operational and international environment (HP EMEA network, business partners and outsourcing customers).
- Network security (firewall PIX, Nokia, Checkpoint).
- Writing of technical documents and incidents reports.

Environment : Routers Cisco (760 to 7500), switches (Cisco, HP), firewall Cisco PIX (506 to 535), Nokia (IP440 to IP650) and Checkpoint, ARS Remedy, HP-UX.

2001 - 2000 : **Geoman.Net**, Quimper (9 months)

Project manager

- Design and implementation of two outreach Internet website.
- Scientific writer : writing of scientific articles and documents.

Environment : NT4 Server and Workstation, LAN, Internet.

2000 - 1997 : **BNP Paribas**, Paris (3 ans)

Systems engineer

- Design, validation and deployment of software banking packages with incidents follow-up and resolution. Writing of technical standards documents.
- System administration, management of the antivirus solution. 2nd level support. Development of various automation scripts (VBS, Perl, SQL).

Environment : NT4 Server and Workstation, SMS, InstallShield, Macfee.

1996 - 1995 : **Airbase of Nancy-Ochey**, fighting squadron 2/3 Champagne (14 months)

Military Officer (computer specialist)

- Systems and Network administration. Design of databases.

Environment : Netware, Windows 95, Access.

Personal interests

Languages : English, French (native).

Hobbies : Astronomy, scientific outreach (conferences), movies.

Traveling : Patagonia (Chile/Argentina), Atacama (Chile/Bolivia), Iceland, Reunion, Sahara, South Africa, United Arab Emirates, Guyana, United States. Desert exploration and Andinism.