

28 years old  
Married  
Driving licence

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Montigny le Bretonneux

## Network and Security Architect

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**ENSAM 2005**  
(Ecole Nationale Supérieure d'Arts et Métiers)

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**Fluent in English**  
(TOEIC = 925)

### Formations :

- July 2009 : Formation "Implementing Cisco MPLS"
- May 2009 : **CCIE-SP** certification pending (Written exam passed with a score of 951)
- September 2006 : **Cisco ICND** Formation
- Septembre 2005 : **HP-UX administration** Formation

### Scholar formation :

- 2002 – 2005 : **BCEE/BSCS** at ENSAM / specialization in Virtual Reality and Parallel Computing
- 1999 – 2002 : Orsay, Blaise Pascal high school, engineer school preparatory classes
- 1999 : Scientist bachelor degree, cum laude

■■■ Regular practice in professional context	■□ Regular practice in lab environnement, increasing competences
■■ Occasionnal practice in professional context	■□ Theoretical knowledges, increasing competences

### Technical Competences:

#### Networking / Security

##### Matériels

- ■■■ Cisco, Nortel, Huawei
- ■■■ 802.11 (WIFI)
- ■■■ IPS, IDS, sniffer probes
- ■■■ Extreme Networks
- ■■■ Load Balancing : ACE, Alteon, F5
- ■□ Firewalls « appliance » : Juniper, Checkpoint, Fortinet
- ■□ Firewalls « software » : PFSense, M0n0wall, Checkpoint (SPLAT)

##### Support

- ■■■ Network and Security Troubleshooting

#### Systems

##### OS

- ■■■ Microsoft Windows
- ■■■ Linux / Unix
- ■□ BSD / PFSense

##### Serveurs

- ■■■ Apache
- ■■■ Bind / DHCPd
- ■■■ Samba
- ■□ IIS

##### Tools

- ■■■ Cisco Works, Qidview, Nagios
- ■■■ Lucent VitalQIP
- ■■■ Network Instrument Observer

## Transversal Competences:

### Protocol

- ■■■ Ethernet
- ■■■ IPv4
- ■■■ OSPF, RIP, IGRP, EIGRP
- ■■■ DNS/DHCP
- ■■■ BGP, MPLS
- ■■■ QOS
- ■■■ IPv6
- ■■■ H.323 / SIP
- ■■□ GSM
- ■■□ 802.11
- ■■□ ATM, POS

### Functional

- ■■■ Project leadership
- ■■■ Innovation management
- ■■■ meeting management
- ■■□ Brainstorming

## PROFESSIONAL EXPERIENCES

**BOUYGUE  
S  
TELECOM**  
Velizy

From  
October 2008

Nationwide Cellular phone  
operator, and Internet  
Service Provider / fixed  
phone operator

### Network and Security Architect

**TAG** : architecture, configuration, audit, Cisco, Nortel, Extreme, Huawei, Checkpoint, Juniper, VRFs, 802.1X, telecom, mobile phone, service provider, video multicast, ToIP, QOS

#### Missions:

- **Audit** : audit of LAN and WAN internetworking infrastructure for the production domain, then for the operational domain (cellular phone and internet service infrastructure)
- **Optimization** : LAN and WAN protocols optimization : OSPF routing fast-convergence optimization, BGP implementation for increased stability, multicast optimization (PIM-SM) on the operational networks, MPLS implementation as a way of providing new service for interconnecting networks, security
- **Process Optimization** : definition of new, easier process for recurring activities, rationalization of investment (new policy for buying network equipments)
- **Architecture** : definition et implementation of innovating architectures in a Converging LAN context (Campus and Datacenter) and ISP context (nationwide backbone, BGP – MPLS, multicast)

#### Main Projects:

- **Technopole (Campus)** : definition of the architecture (new office building, 3000 network users, ToIP and WIFI), security (main policies, 802.1X implementation)
- **Mozart (Company Main Campus)** : definition of the architecture (new office building, 3000 network users, ToIP and WIFI), security (main policies, 802.1X implementation) in a context of Company HQ (high criticality)
- **Montigny (Datacenter)**: new Datacenter on Cisco VSS product. Architecture and rules of implementation
- **“Next-Gen” DMZ (Security Zone)** : definition of the architecture (new DMZ generic architecture, services mutualisation) : Cisco 6500 and ACE loadbalancing card, Firewall Juniper ISG transparent mode / routed mode, firewall loadbalancing, MPLS capable etc.

**OBS/NIS**  
Guyancourt

July 2007 –  
September  
2008

OBS/NIS (Orange Business  
Services / Network  
Integration Services) a  
France Telecom trademark.

**Pre-sale, integration & support: LAN, WAN, Wireless, Security  
engineer  
Project Team Leader. Trainer.**

**TAG** : architecture, configuration, audit, Cisco, Nortel, Huawei, Checkpoint, Juniper, VRFs, 802.1X, address plan

**Main Project:**

- **Caisse d'Epargne (Bank)** : definition of the architecture (3 x Datacenter, MAN network), installation (model and integration), writing documentary, formations
- **DGAC(International Airport)** : definition of the architecture (LAN redundant LAN for Orly control tower, WIFI), MAN inter-connection, installation (model and integration), writing documentary, formations
- **AG2R (Insurance)**: installation and configuration of Cisco Works LMS administration solution
- **EGIS (construction)** : definition of the architecture (redundant Nortel LAN with SMLT), WIFI Nortel, definition of the address plan (network segmentation, definition of VLANs etc..) integration on the network core, WAN routers migration (RIP to OSPFv2, address modifications)
- **Crédit Logement (Bank)** : definition of the architecture (802.1X redundant LAN with VRF thus creating logical DMZ),address plan and ACL definition, writing documentary, formations
- **BCAC-CG (French Ministry of Defense)** : 5 days formation : « les réseaux IPs » (IP networking) « routage basique, routage avancé » (basic and advanced routing), « la sécurisation des réseaux IPs » (IP network security) and « historique des réseaux IPs ».(IPs networking historic)
- **CG10 (local administration)**: installation of a redundant LAN and ToIP architecture with QOS over LAN and WAN.
- **Lyonnaise des Eaux** : project manager (3 people team : 1 engineer, 1 pre-sale engineer, 1 technician) for migrating the current LAN to a managed LAN and MAN architecture (5 sites

D A T A V A N C E	<p><b>TDF</b> Montigny le Bretonneux</p> <p>June 2007</p>	<p><b>Routers migration technical leader</b></p> <p><i>TAG : routeurs, IOS, configuration, upgrade</i></p> <p><b>Missions:</b> Upgrading IOS and updating configuration over a 200+ router park.</p>
M a y  2 0 0 6	<p><b>NOKIA</b> Saint Ouen</p> <p>March – April 2007</p>	<p><b>Level2/3 support engineer</b></p> <p><i>TAG : mobility, GPRS, service platform, WAP, Cisco, Nortel, Level 3, SFR, ORANGE MOBILE</i></p> <p><b>Missions :</b> technical leader for level 2/3 support for mobile telephony service platform (WAP, GPRS and UMTS access services)</p>
J u l y  2 0 0 7	<p><b>PSA</b> – Achères, Poissy factory</p> <p>September 2005 – January 2007</p> <p>Achères Datacenter: over 800 switchs, 20000 users, 250Km</p>	<p><b>Network administrator</b></p> <p><b>In charge of the network of PSA main datacenter in Achères (+2000 servers, 80 C-class network, 8 DMZ, 80 switchs/routers with redundant architecture and load-sharing/load-balancing)</b></p> <p><i>TAG : Cisco, Huawei, Windows, IOS, architecture,</i></p> <p><b>Technical Surrounding :</b></p> <ul style="list-style-type: none"> <li>▪ System: Windows 2000, UNIX, Linux and others (Mainframe etc.)</li> </ul>

**B** of optical fibers, 45000  
**E** connection points.

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**0**  
**5**  
**-**  
**A**  
**p**  
**r**  
**i**  
**l**  
**2**  
**0**  
**0**  
**6**

- Network : LAN Ethernet, industrial network of PSA factories
- Tools : Cisco, CXR, Microsens, Netview Observer, firewall Netscreen

**Missions**

- Troubleshooting Level 1/2
- L2 network administrator
- LAN consultant for internal architectures definition
- Technical leading for upgrading / updating network capabilities
- Definition and deployment of a dedicated “remote probe” and of an “in-band administration” architecture

## **PERSONNAL PROJECT**

From september 2005	<b>Increasing competences : network, security and systems</b>  <b>Technical surrounding :</b> <ul style="list-style-type: none"><li>▪ Firewalls Netscreen (NS5GT, OS5.0 et NS100 OS4.0), et BSD</li><li>▪ Switchs Cisco 2948, 3924, and 3560, routers Cisco 7200/3800/2800</li><li>▪ Serveurs Fedora Core 10, WIN2003</li></ul>
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## **INTERNSHIP**

<b>End of studies Project</b> <b>Chalon/Saône</b> Institut Image  6 months February to June 2005	<b>Software development engineer</b>  R&D for an interactive « virtual cockpit » software
<b>GROUPE M6 TV</b> <b>Paris</b>  3 months June to September 2004	<b>Network junior engineer</b>  Network and computer administrator (100 users park)
<b>ENSAM</b> <b>Lille</b>	<b>System and Network administrator</b>  Leader of the network team for the ENSAM Lille student residence

## **DIVERS**

### **Langage :**

- English: **TOEIC = 925**. London university examination : « Level 3 », « Level 4»  
Three years of strengthened English (European class), British history courses (Jean Monnet high school), and Anglo-Saxon laws courses (ENSAM).