





Xavier Beaudouin

SYSTEM & NETWORK ENGINEER

-  dual skills
-  curious
-  team player and autonomous
-  enthusiast

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FRANCE

Skills

System	★★★★☆	Network	★★★★☆	Monitoring	★★★★☆☆
IT Infrastructure	★★★★☆	Development	★★★★☆☆	Security	★★★★☆☆
Project Management	★★☆☆☆				

Systems FreeBSD, OpenBSD, Linux, Mac OS X, Windows
Network TCP/IP (IPv4 & IPv6), Cisco (IOS, NXOS, IOS XR, ...), Juniper, Ubiquity, Vanguard, Arbor
Routing Protocols BGP, BGP Flowspec, OSPF, ISIS, PIM
SAN/NAS NetApp, Isilon, Samba, iSCSI, FCP, FCAL, FCoE, Nexenta
LoadBalancers F5 Big/IP, Foundry ServerIron/ADX, Aloha, Relayd, nginx
Firewall Ipfw, pf, pfSense
Programming Perl, Shell, C, python, HTML, SQL, lua, arduino, git
Virtualization VMWare ESX, Xen, Qemu, bhyve, UCS, Veeam
Other Librenms, Observium, puppet

Experiences

Sep 2015 - Jan 2017
Strassen, Luxembourg

Network & Systems Engineer, Gandi

Backbone redesign

CISCO ASR, NEXUS 5k/7k, 65xx
BROCADE ADX, F5, ALOHA
BGP FLOWSPEC, OSPF, NET-
FLOW
DEBIAN, FREEBSD
ARBOR, WANGUARD

- > Changed from cold to hot potato of the backbone
- > Transit, Peering, IPv4 marked, Ripe work & automation
- > DDoS handling with automatics strategies
- > Network accounting and financial reports
- > Technological solutions deployments to reduce operational costs
- > Technical solutions advisor for corporate sellers
- > Expert in Load balancers
- > Supermicro Hardware guru

Feb 2013 - Sep 2015
Paris

Network & Systems Engineer, Horizon Software

IT Securization / Rationalization / P2V

CISCO, NETSCREEN

VMWARE ESX, PROXMOX, P2V,

VEEAM

UBUNTU, DEBIAN, WINDOWS,

NEXENTA

SAMBA, ACTIVE DIRECTORY,

PUPPET, OBSERVUM, LDAP,

RANCID

- > Setting up a small business server room
- > OpenLDAP to Active Directory bridge
- > Migrating netscreen to dual pfSense firewall
- > Automation of all linux
- > Network Management System with Observium
- > Authentication Unification with LDAP & AD
- > VPN access for road runners and remote users
- > Security officer

Jun 2012 - Jan 2013
Montigny-le-Bretonneux

R&D Engineer, AFNIC

JUNIPER

PYTHON, DNS, NODEJS

- > Team leadership of R&D engineers on official publication with ANSSI & AFNIC
- > DNS R&D
- > Link of production world and R&D world
- > Designing and developing of a web UI to DNSWitness data

Oct 2011 - May 2012
Paris

CTO, Teclib'

CISCO

DEBIAN, FREEBSD, WINDOWS

VMWARE ESXi

NETGRAPH, VTUN

- > Managed a team composed of 4 network & systems administrators
- > Technological solutions deployments to reduce operational costs
- > Partnerships with NetApp, Cisco, VMWare, Juniper, ...
- > Calls for Tenders replies
- > Sustained/presales engineer Systems & Network Solutions
- > Designer of SaaS, Managed Hosting & Security Solutions
- > R&D on new technological solutions for Customers
- > Encrypted L2 VPN over ip
- > Customer's network migration and QoS over low bandwidth xDSL

Feb 2010 - May 2011
Paris

CTO, So-Privé Cloud Computing OutScale

CISCO UCS, NEXUS, FORCE10,
BROCADE

XEN 4.0.1, VMWARE ESXi

NFS/RDMA, NEXENTASTOR,

ISILON, NETAPP CLUSTER

PXE, KICKSTART, RPM

- > Managed a team composed of 3 developers and engineers
- > Architect of a cloud computing platform : AMPQ, network, storage, datacenter
- > Consulting for datacenter choices and day to day administration
- > Architect of cloud computing platform v2 with Cisco UCS, Nexus, private cloud
- > RIPE work, IPv4 et IPv6, peering and transits
- > Designed an hybrid storage engine based with ZFS & SSD.
- > Automatization of installation of nodes with PXE, Kickstart & RPM

Mar 2007 - Feb 2010
Paris

Network & Linux Manager, Capital Fund Management

CISCO, JUNIPER, BROCADE,
CWDM
BGP, OSPF, PIM
DEBIAN, REDHAT, FREEBSD,
OPENBSD
RPM, KICKSTART, ZFS
ISC-NTPD, NAGIOS
OPRA, NYSE

- > Complete redesign of the network (2 atlantics links, 7 datacenters, 7 fibers, ...)
- > Complete redesign of the internet access: PI, AS, RIPE, firewall & proxies
- > Designed and deployed the new trading architecture based on multicast
- > Deployed Sun Grid Engine cluster to allow computing of financial data
- > Internal Linux server administration (300 to 500 servers)
- > Industrialization of the Linux Redhat installation process
- > Deployed ISC-NTPd (stratum 2)
- > ZFS based file servers specifications
- > Installation of opensource monitoring systems
- > Anycasted sensible services: DNS, PXE, DHCP

Jan 2006 - Mar 2007
Le Plessis Robinson

Network & Hosting Manager, Kheops Organisation

CISCO, BROCADE, FORTIGATE
BGP, OSPF, CWDM, NETFLOW
FREEBSD, DEBIAN
DNS, RADIUS, ROUTERS2.CGI
NETAPP, CIFS, ISCSI

- > Complete redesign of the network backbone from a L2 system to complete L3
- > xDSL collect using LNS and Radius
- > 120sqm Datacenter operations : planning with third party, customer's access
- > Designed and deployed strategical ISP services
- > Expert in network and Unix for company's customers
- > Research about making redundant xDSL access for customers
- > Deployment of storage solutions with Netapp
- > Sustained for customers and internal network problems
- > Managed a small team of part time employee and trainees

Jul 2005 - Jun 2006
Levallois

Network & Systems Architect, Atradius (Groupe Etoile)

AIX, LINUX, WINDOWS
CITRIX, BEA/WEBLOGIC, SAMBA,
KEEPALIVED

- > Disaster recovery plan design and deployment
- > BEA/Weblogic administrator, AIX, Linux & Citrix administrator
- > Expert in System and Network technologies for a 4 persons team
- > Technological solutions deployments to reduce operational costs

Jan 2000 - May 2005
Paris

Project Team Leader, Tiscali Enterprises (Cable & Wireless / ISDnet)

F5, FOUNDRY NETWORKS, CISCO
FREEBSD, SOLARIS, LINUX, BSDI
POSTFIX, SENDMAIL, BIND
NETAPP
CAUDIUM
PIKE, C

- > Architect and researcher for all B2B systems with security in mind.
- > Sustained engineer for: load balancers, switching, OS, OSS & storage
- > Managed a team of 2 pike developers
- > Project leader of Open Source webmail software : CAMAS
- > B2B platforms: industrial web hosting, webmail and homepage system, ...
- > Administrator & Security officier of B2B Platform

Dec 1998 - Dec 1999
Paris

Network & Systems Administrator and Architect, Intégra (Ippolis Informatique)

CISCO
LINUX, OPENBSD
FIREWALL

- > Securing, fiabilization of a 3 media platform with OpenBSD and Linux
- > Redesign the internal L2 networks
- > Installed the backbone and managed daily peering work
- > Mail server under Linux with webmail and web interface to handle provisionning
- > Planning and IP renumbering for moving the production platform to a new site
- > Merge platform with mother's company

Jul 1997 - Dec 1998
Paris

Network & Systems Administrator and Architect, Société des Editions Historiques et Culturelles

CISCO
SOLARIS, LINUX
MAIL, MAIL2FAX, WEBMAIL
FIREWALL
SENDMAIL, BIND, APACHE

- > Director of Operations for the Internet platform
- > Created and deployed an internet portal from French Historical "Patrimoine"
- > Deployed mail services : mail, mail to fax, firewall, webmail
- > Deployed routing access and services associated
- > Attempted to create a company with this portal

Sep 1995 - Feb 1997
Paris

Network & Systems Administrator / Professor, Ecole Centrale d'Electronique

C
MAIL
NFS
PAGE WEB
SECURITY
CISCO

- > C Language professor for the first year students in "BTS Electronic": 4h weekly
- > Implemented mail, Internet Services, official website, Internet access
- > Cisco access and configuration with an exclusive internet access partnership
- > Backup administrator for the entire network and servers of the school

Education & Certifications

1993-1997
Paris

Computer & Network Engineering degree, Ecole Centrale d'Electronique

1991-1993
Vitré, France

Associate Degree in Electronics (BTS Electronique), Lycée Jeanne d'Arc

1990-1991
Saint-Brieuc, France

French High School Diploma in Electronics (Baccalauréat F2), Lycée Sacrés Cœurs

Miscellaneous

Car B Driving License

Hobbies Scuba diving (Level 1), Trekking and foreign travels

IT Hobbies RIPE Member, FRnOG "Member", arduino coding, domotic