

SYSTEM NETWORK AND SECURITY ENGINEER

Objective : A fulltime position involving expertise in these fields : Linux/Unix system administration, high-performance computing, computer and network security, automation scripts.

PROFESSIONAL EXPERIENCE

- **June 2005 - Present**, System Engineer at **DataDirect Networks, Inc.**

SAN sharing system setup (software, hardware) in Europe in HPC and Broadcast compagny.

Developed testing scripts. Analyzed performance results to identify bottlenecks. Compared performance of different file system protocols and system configurations. Involvement in the installation of Tera10, the biggest Supercomputer in Europe so far, 60 Tflops, 1 PetaByte. Installation and troubleshooting of SAN around europe in HPC and Broadcast company.

Hardware involved : Brocade, Qlogic Fibre Channel Switch, Xyratech JBOD, DDN S2A controllers, Novascale Bull servers.

Software involved : Solaris, Irix, Linux, Polyserve, CXFS, SNFS, GPFS, NFS.

- **March 2004 - June 2005**, System Engineer Unix at **Thalès Airborne System.**

Member of a 15 people team. On call Unix support of more of 300 stations, 10 UNIX domains on 3 sites (Brest, Pessac, Paris), implementation of automation scripts, internal communication tools and knowledge database. Supervisor : Mr Pierre Blas.

Hardware involved : SUN, SGI, HP workstations, NetApp filers.

Software involved : Solaris, HP-UX, AIX, Linux, NIS, NIS+, NFS, clearcase, flexlm, nagios, cvs, svn, bash, perl.

- **June - September 2004/2005**, C/Unix teacher for second year students at **EPITA.**

Software involved : NetBSD, Linux, gcc, gdb, cvs, svn.

- **January 2003 - March 2004**, System Administrator at **EUC.**

Specification, development and administration of the information system of **Elektronik Utbildnings Center AB** in Bromma (Sweden). 300 users on 3 sites (Bromma, Norrtälje, Åkersberga) Supervisor : Mr Kemel Benali.

Software involved : Linux, Apache, MySQL, Perl, bind, netfilter/iptables, OpenLDAP, OpenVPN, cvs, ssh, SpamAssassin, ClamAV, AMaViS, and Postfix.

- **September - December 2002**, C/Unix teacher for first and second year students at **EPITA.**

Software involved : NetBSD, Linux, gcc, gdb, cvs, svn, OpenLDAP, FreeRadius, OpenICAP, squid.

- **August 2002**, SCO/Unix trainer at **Karwell.**

Training done in Vienne for the agricultural cooperative of the Dauphiné.

Software involved : SCO/Unix, FreeBSD.

- **October - December 2001**, Training period at **Mandrakesoft.**

Maintenance of various packages and development of applications of the Linux Mandrake Distribution. Supervisor : Mr Frédéric Bastok.

Hardware involved : IA64.

Software involved : gcc, GtkFrameBuffer, rpm.

- **Summer 2000**, Summer job at the "bocal" (system and network administration of **EPITA**).

Involvement in the installation of two new machine rooms with hundreds computers in each one running NetBSD. Arrangement of the server room. Supervisor : Mr Nicolas Sadirac.

EDUCATION

2005	Sun microsystems - Solaris system performance management (SA-400).
2000 - 2003	French Computer Science School EPITA (<i>Ecole Pour l'Informatique et les Techniques Avancées</i>) - System, Network and Security Department (equivalent to a Master's Degree in Computer Science) - Paris, France.
1998 - 2000	Scientific classes : two years intensive course in Mathematics and Physics (undergraduate level) leading to competitive exams for entrance into French national engineering schools - Arras, France.
1998	Mathematics and Physics "Baccalauréat" (French secondary school diploma, equivalent to the "A" levels) - Arras, France.

SKILLS

Languages	C/Unix, flex, Gtk, Perl, Perl/Tk, Bourne shell scripting, C++, Java, PHP, SQL.
Operating systems	FreeBSD, NetBSD, OpenBSD, Linux : system administration and kernel devel. Solaris, HP-UX, AIX, DOS, Windows 3.1/9x/NT/2000 : system administration.
Administration	apache, bind, nfsd, samba, sendmail, ftpd, cups, wireless network, iptables/netfilter, dhcpd, ldap, vpn, inn, snmpd, cvs, clearcase, jabber.
Shared files systems	gpfs, snfs, cxfs, polyserve.
Security	Involved in the development of the project vnet, programming of an OS fingerprinting tool.
Programming	Implementation of a shell, miscellaneous network programming clients and servers (NNTP, FTP, IRC).
Text formatting tools	L ^A T _E X, HTML.

OTHER ABILITIES

Languages	English, French (mother tongue).
Sports	Ski, tennis and table tennis.
Driver License	B (VL) obtained on March 18, 1998.