



Arnaud Fortier

IT Manager and Cybersecurity Specialist and System administrator in a broad range of systems and technologies. I focus on efficiency and team work to ensure the environment remained at optimum level performance.



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Saint George, Switzerland



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Skills & Competences

System Administration



Network Administration



Virtualization



Time management



Resiliency



Critical thinking



Windows Environment



Unix/Linux Environment



Self starter



Team work



Languages

C2 **A1** **C1**

French German English

Professional Experience

Since 02/2019

Lausanne, Switzerland

System Specialist

University of Fribourg /

Environments: Windows / Linux / Mac

- Implementation of the Scientific-IT service (ticketing system, documentation, service definition)
- Storage management for researchers
- Analysis and implementation of solution for research groups (REDCap, SWITCH services, websites)
- Researchers' support (script, web solutions)
- Reporting and Infrastructure solution description to the head of IT
- Installation and configuration of services on virtual machines (VMWare/Docker)
- CyberSecurity (setting up scanning politics for servers & workstations and support in fixing vulnerabilities – risks analysis and prioritization)

Technologies: Windows 10/2012/2016/2019/2022, Linux Ubuntu/ RedHat/ CentOS/ Kali, MacOSX, Bash, Docker, SolarWinds, Dokuwiki, VMWare ESXi 6.x&7.x, Splunk, Nagios, Ansible, Isilon, Apache, Nginx, MySQL, PostgreSQL, Veeam, Microsoft SQL Server, Oracle, Flexlm, SLURM, OpenVAS

11/2017 - 01/2019

Lausanne, Switzerland

IT Manager

Advanced Silicon /

Environments: Windows / Linux / Solaris

- Computers, network, servers and services management (50 workstations, 10 servers)
 - Infrastructure moving to the new site (Network infrastructure design)
 - Sustainability of core services (DHCP/DNS/AD/SVN/Backup/License/ERP)
 - IT strategy definition and yearly budget planning
 - Standardisation of tools and services.
 - Documentation of the actual infrastructure, quality reports for risk (redmine)
- Technologies:* Windows 7/10/2003/2008/2012, Linux Ubuntu, Office 365, Redmine, Pro-concept, Odoo, Solaris, MacOSX, Bash, KVM, VMWare ESXi 6.x, NetApp, Apache, Nginx, MySQL, PostgreSQL, Backup Exec, Microsoft SQL Server, Oracle, business applications (Cadence), Flexlm, Téléphonie IP, Cisco WiFi, Sophos Firewall

06/2013 – 08/2017

Yverdon-les-Bains, Switzerland

Senior Support Engineer / System Administrator

Bacula Systems /

Environments: Linux / Windows / Solaris / Aix

- Ad hoc supervision of the Support Team including training of new members (4).
 - Responsible for assisting customers on resolving "complex" support requests to facilitate the effective resolution of problems within SLA timescales (300+ clients worldwide, Datacenters and multi-national companies) – remediation plans.
 - Install VMWare infrastructure to test our products and reproduce/troubleshoot issues on a wide selection of Operating Systems. (Linux/Windows/Unix)
 - Member of the System Administrator Team participating in the maintenance of the Web Services and ensured IT support for staff. (Linux/Apache/SVN/Clients' repositories)
 - Implement pipelines to effectively use heterogeneous data to standardize and optimize day-to-day Support Team activities. (40 workstations, 10 servers, IP phones)
 - Documentation, in LaTeX: installation guide and Best Practice Guide, DRP for customers
- Technologies:* Red Hat 7/6/5, Debian, Ubuntu, Windows 7/10/2008/2012, Aix, Solaris, MacOSX, LaTeX, Bash, VMWare 5.x/6, VirtualBox, PHP, NetApp, Apache MySQL, PostgreSQL, Oracle, Bacula Enterprise 6.x/8.x, Bacula Community, Nagios, Ansible, OpenVPN, Asterisk, SVN, GIT, OpenERP, RT, Confluence, PfSense

Professional Experiences (cont'd)

03/2009 - 06/2013

Lausanne, Switzerland

HPC System Administrator

Swiss Institute of Bioinformatics, University of Lausanne

Environments: Linux / Windows / MacOSX / Oracle / MySQL / Apache / VMWare / HSM

- System administration for High Performance Computing clusters used in high-speed computational work and Big Data. (1000+ users worldwide)
- Managed network connectivity (LAN/SAN/VPN) and HSM storage to guarantee real time access to data and its security. (Linux/OpenVPN/Quantum)
- Developed, implemented and improved technical documentation for standard operating procedures. (Wiki/ Shell scripts)
- Setup Virtual Machines on a VMWare infrastructure for dedicated web services insuring high availability and ease deployment. (LAMP/IIS/Dedicated solutions)
- Patching politic implementation
- Manager of a wiki (Confluence) and authentication service (Crowd) for an inter-universities/engineer school in Switzerland (~1000 users)
- Technologies: CentOS 6/5, Debian, Archlinux, Windows 7/10/2000/2008, OSX, Solaris, Bash, VMWare 5, VirtualBox, PHP, Perl, Python, Apache, Tomcat, IIS, HSM Quantum, MySQL, PostgreSQL, MSSQL, Oracle, OpenVPN, SVN, HP DataProtector, Zabbix, RT, Confluence, Crowd, LDAP, FireHOL

06/2007 - 03/2009

Cluses, France

Computer Support Technician / Infrastructure Manager

Teleflex Automotive / Kongsberg Automotive

Environments: Windows / SAP

- System administration providing continuous troubleshooting of computer tickets and network connectivity from Windows 2000 to Windows 2003 environment. (500 workstations, 20 servers)
- Sox procedure deployment regarding backups, reports and emergency procedures.
- Responsible for the infrastructure migration during the integration to Kongsberg Automotive to guarantee a smooth transition for staff and customers.

Technologies: SUSE Linux, Windows 95/98/NT4/2003, IIS, ASP, SAP, Veritas Backup Exec, VOIP, Active Directory

02/2005 - 06/2007

Bonneville, France

Freelance Computer Scientist

FortierSystems

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Environments: Linux / Windows / OSX

- Conception and Administration of websites and creation of web applications hosted on LAMP.
- User training (Windows/Mac/Linux/Office)
- Creation and funding of the Archlinux.fr community

Technologies: OS9/OSX, ArchLinux, Windows XP, PHP, Apache, MySQL

11/2004 - 02/2005

Marnaz, France

System Administrator

Pernat Émile SA

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Environments: Windows / DOS / Novell

- System Administration (Windows/Novell), Backups (Veritas) EDI technician
- User Support (installation / training / problem solving)
- Web application for the customers' portals management in Php / MySQL (Tomcat Netware 6)
- Database reports generation and maintenance on the ERP
- Technologies: Novell Netware 6, Windows XP/2000, PHP, Tomcat, MySQL

06/2003 - 11/2004

Bonneville, France

Freelance Computer Scientist

FortierSystems

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Environments: Linux / Windows / OSX

- Creating company / prospecting
- Trainings in Linux / Apache / Php / MySQL (LAMP) and Windows/MacOSX/MS Office support for customers in France / Switzerland
- Website maintenance (Php / MySQL) on Mambo and Joomla web portals hosted on LAMP

Technologies: OS9/OSX, ArchLinux, Windows 98/2000/XP, PHP, Apache, MySQL

Professional Experiences (cont'd)

06/2001 - 06/2003

Toulouse, France

Support and Programming Technician

Oktal /

Environments: Windows / Linux / Irix

- Assistance to the system administrator in a heterogeneous park (Windows, Irix, Linux Mandrake) in order to provide common services for all platforms (200 stations, 10 servers).
- ONYX maintenance and use reports of simulators.
- Technical Intranet Conception in Php / MySQL / Apache under Windows 2000
- Oracle database extractor in Java
- Backups with Time Navigator

Technologies: Mandrake 7/8, Irix, Windows 2000/XP, Java, Time Navigator

01/2001 - 06/2001

Chalon en Champagne, France

Helpdesk support technician level 3

Aptech /

Environments: Windows / Aix

- Supervision of La Poste national sorting centers with ISM/Patrol (Aix) and CIM (Windows NT4)
- Risk assessment in function of seriousness level(1-6h)
- Support and Maintenance of an application written in C computing data from different databases (DB2/Oracle).
- Technologies: Windows NT 3/4/2000, ISM, Patrol, C/C++, DB2, Oracle

12/2000

Lyon, France

Deployment Technician

ICL /

Environments: Windows / Novell

- Migration of workstation from Windows NT4 to 2000
- Installation, configuration of new hardware under Windows 2000 and Novell Netware
- Backup and restore of user's data on his new machine
- User training on the new environment (Windows2000/Office 2000)

Technologies: Windows NT4/2000, Novell Netware

11/1998 – 11/2000

Lyon, France

Technician

IBM Global Services

Environments: Windows / Linux

- Installation, configuration of workstations under Windows 95/98/NT4
- Practice of network level 1
- Setting up DOS automated procedure for PC migration
- Creation of a small technical intranet (RedHat 5/ Apache)

Formations

- CyberSecurity Specialist with Federal Diploma
- HP UC4345 Accelerated SAN Essentials
- Bacula System Administration I & II
- Advanced Vocational Training Certificate in Industrial Computing
- Student Fleet Officer, Flight