

David Bayle  
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**Skills :**

- Languages: French & English, Spanish [school]
- Good interpersonal skills and adaptability, ability to work alone or in a team.
- Able to manage a team or a project, serious and involved.
- R. & D. project management.
- High Performance Computing (HPC) CPU & GPU (CPU clusters and Nvidia GPU clusters).
- HA Virtual environment management (VMware, Proxmox, Openstack, KVM, ...).
- Linux server and services management (Unix administration, Apache/Nginx, Mysql, DNS, email...).
- Datacenter and cluster management in high availability environments.
- High availability Storage with ZFS file system (Solaris/OpenSolaris/Nexenta/OpenIndiana/Illumian).
- High availability Storage solutions (Dell EMC, HP, JBOD & SAN daisy chaining + failover, ...) .
- High availability services/deployment (HaProxy, ip + high volume traffic load balancing, Ansible, ...).
- DevOps / Scripting (bash, python, php, C & C++, c#, lua, ...).

**Work experiences :**

**Senior Linux System Administrator**

**Since July 2020**

**Artificial Intelligence Consultant**

*Images & Technologie, Montréal, QC.*

- Artificial Intelligence consultant
- Nvidia DGX solutions expert (Nvidia Compute, DGX & Visualisation)
- Senior Linux System Administrator
- Data-center Infrastructure manager
- Infrastructure consultant (Architecture, solution deployment/migration)

**Senior Linux System Administrator**

**1 year**

**Infrastructure Manager**

*BITFARMS, Brossard, QC.*

- Senior Linux System Administrator
- Network Administration (architecture design + deployment + management)
- Internal Infrastructure Manager + Cloud VMware
- Office 365 Intune + MDM solutions manager
- Internal IT security management
- Monitoring and management of multiple mining farms with thousands of miners.

**Senior Linux System Administrator**

**3 years & 9 months**

**Infrastructure Manager**

*GLOBOTECH Communications / NETWORKS, Montréal, QC.*

- Senior System Administrator
- Infrastructure Manager
- Cloud Infrastructure Manager
- Sys-admin team Supervisor

**IT Director /**

**4 years & 6 months**

**Linux Analyst Senior**

*CYBERLOGIC Inc., Montréal, QC.*

- Internet Services Manager (all hosting types, data-center space rental, DNS management, infrastructure management, high volume site management, management and development of the internal infrastructure, ..)
- Linux system administration [Server administration (Unix: Linux / Windows, Open-Solaris)]
- Datacenter Management (load & temperature sensor, APC (battery), generator, etc..)
- Virtual environment management (VMware ESXi, KVM, Proxmox, ...)
- High Availability Storage (OpenSolaris / Nexenta / Open Indiana)
- High Availability Sites management (load balancers, failover systems, ...)

- Storage (FreeNAS / NetApp / Linux NFS server /ISCSI Jbods etc..)
- Supervising the linux analysts team
- Project management related to Internet hosting services and R. & D.
- Consulting, audit and external interventions. (external consultant)
- Networking (troubleshoot, sniffing, VPNs (openVPN, Cisco VPN,etc..) router/switch config, pfsense,...)
- Email servers + filtering systems
- Environments: LINUX: CentOS, uBuntu, Debian, Gentoo, RedHat, Scientific Linux. VIRT: VMWare ESXi, Kvm. ZFS: OpenSolaris, Nexenta, OpenIndiana, Illumian OTHERS: NAS storage, HPC servers, Clustering, GPU-Clustering(CUDA Technologies).

**System Administrator**

**1 year & 3 months**

*ZEROSPAM Sécurité Inc., Montréal, QC.*

- Production environment's supervision & Security Patch
- Level 2 Technical Support
- System Administration and Survey
- Development of Perl & Python modules / scripts.
- Technological environment: Linux Ubuntu 8.04 LTS & 9.10, Debian5, CentOS, Postfix, Amavis-d, SpamAssassin

**System Administrator**

**3 months**

*Uninov, Montréal, QC.*

- Creation of an "on demand" VPN solution for remote access purpose.
- Installation and configure environment: Debian server and PPTP with transparent Squid.

**System Administrator**

**2 months**

*Centre Richebois, Marseille, FR.*

- Setting up a remote monitoring solution.
- Installing a LAMP solution and service NX (NoMachine) on Debian.
- Environment setup (access secure, ssh, iptables ...).

**Solution Developer**

**8 months**

*Société Anezo, Aix en Provence, FR.*

- Development of a software package designed to support reproductive function for perforated paper; implementing three separate sets. (1 acquisition system, a database, a perforation system) [about 3700 lines of code](C + +, OOP (Object Oriented Programming) ActiveX Control / OCX; MySQL, use of digital input/output couplers between different physical systems)

**Network Administrator**

**3 months**

*Centre Richebois, Marseille, FR.*

- Management, maintenance and IT support in a professional training center (300 computers).
- Migration of the entire IT infrastructure.
- Monitoring and Auditing network.
- Deputy Head equipment procurement, cross-site interventions.

**System/Network Administrator**

**4 months**

*Imprimerie Hexagone, Aix en Provence, FR.*

- Setting up and managing network for small business.
- Wiring and installation of computer equipment (40 computers).
- Responsible for purchase of equipment, management and maintenance.

### Education / Trainings :

2020/2021	2020 & 2021 Nvidia DGX / Compute / Visualisation certifications
2020/2021	Qumulo Storage certification: Level 2 Solutions architect
2019	Microsoft Intunes + MDM solutions training
2018	VMware VDI + VmWare Horizon solutions training
2017	Dell Storage EMC (high availability storage) solutions training
2015/17	OpenStack Tokyo Summit + Participation in OpenStack/Ceph communitys
2011	International Master of Computer Science - M.Sc (Promotion 2011) - [Supinfo] (Montréal-CA)
2010/11	2 <sup>nd</sup> year International Master of Computer Science [Supinfo] (Montréal-CA)
2009/10	1 <sup>st</sup> year International Master of Computer Science [Supinfo] (Montréal-CA)
2008/09	1 <sup>st</sup> year International Bachelor of Computer Science [Supinfo] (Montréal-CA)
2008	BTS: <b>Brevet de Technicien Supérieur</b> [Lycée Vauvenargues] (Aix en Provence-FR) (BTS IRIS = 2 years in university for a technical degree in computer science)
2007/08	2 <sup>nd</sup> year BTS IRIS [Lycée Vauvenargues] (Aix en Provence-FR) (IRIS: Informatique et Réseaux pour l'Industrie et les Services techniques)
2006/07	1 <sup>st</sup> year BTS IRIS [Lycée Vauvenargues] (Aix en Provence-FR)
2005/06	1 <sup>st</sup> year IUT Génie Électronique et Informatique Industrielle [IUT St. Jérôme] (Marseille-FR)
2005	French Baccalauréat (option: Engineering Sciences) [Lycée St. Joseph] (Avignon-FR)

### Other experiences :

#### **Domotic integrator/DevOps python-php**

**6 months**

*Consultation.*

Smart home integrator with «custom made» APIs and centralization. Python API developpment to interact with each non compatible systems; in order to offer a central platform to monitor and control smart home's domotic.

#### **Mail Carrier**

**9 months**

*Société Norbert-Dentressangle, Gignac, FR.*

Driver: vehicle truck 3.5T : delivering/carrier in the Provence Alpes Cote d'Azur (PACA-France).

#### **Volunteer**

**2x 1 month**

*Association APARE / Alpes de Lumières*

Restoration of ancient heritage, wall repair, reconstruction and rehabilitation of historic buildings.

- 2003-Château d'Alleins (13)

- 2004-Bergerie de Lardiers (04)