

David Bayle
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Skills :

- Languages: French & English, Spanish [school]
- Data Center deployments & operations.
- Calculation sites deployments & management.
- Team leader and involved trainer.
- Deployment of multiple GPU/HPC clusters worldwide.
- High availability site management (redundant power, cooling, UPS, ATS, Generators, etc.)
- High Performance Computing [HPC] (CPU,GPU,DGX,HGX,FPGA clusters).
- Multiple certifications (©NVIDIA, ©Mellanox, ©Qumulo, ©VmWare, ©Cisco, & more).
- High availability Solutions deployments & management accross multi-sites.
- DevOps, Scripting (bash, python, php, C & C++, c#, lua, ...); Monitoring, Domotic & API fan.

Work experiences :

Chief Technology Officer

Since July 2024

ENOVUM Datacenters, Montréal, QC.

- Data center operations & design
- CISO (Chief Information Security Officer)

Director of Infrastructure / Operations manager

2 years & 7 months

Artificial Intelligence / HPC Expert

ENOVUM Datacenters, Montréal, QC.

- Datacenter infrastructure director
- CISO (Chief Information Security Officer)
- HPC / Ai consultant (Nvidia certifications & more)
- Senior Linux system & network administrator
- Security systems management / deployments
- Infrastructure monitoring deployments
- Certifications deployments & renewal (SOC2 Type2)

Senior Linux System Administrator

1 year & 7 months

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 nd year International Master of Computer Science [Supinfo] (Montréal-CA)
2009/10	1 st year International Master of Computer Science [Supinfo] (Montréal-CA)
2008/09	1 st year International Bachelor of Computer Science [Supinfo] (Montréal-CA)
2008	BTS: Brevet de Technicien Supérieur [Lycée Vauvenargues] (Aix en Provence-FR) (BTS IRIS = 2 years in university for a technical degree in computer science)
2007/08	2 nd year BTS IRIS [Lycée Vauvenargues] (Aix en Provence-FR) (IRIS: Informatique et Réseaux pour l'Industrie et les Services techniques)
2006/07	1 st year BTS IRIS [Lycée Vauvenargues] (Aix en Provence-FR)
2005/06	1 st 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 whith 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)