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 trafic load balancing, Ansible, …).
- DevOps / Scripting (bash, python, php, C & C++, c#, lua, …).

Work experiences :

Director of Infrastructure   *Since January 2022*
Artificial Intelligence / HPC Expert
ENOVUM Datacenters, Montréal, QC.
- Datacenter infrastructure & network management
- HPC / Ai consultant
- Senior Linux system administrator
- Security systems management / deployment
- Infrastructure monitoring implementation

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 / NWORKS, 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 /ISCII 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   **2nd year International Master of Computer Science** [Supinfo] (Montréal-CA)
2009/10   **1st year International Master of Computer Science** [Supinfo] (Montréal-CA)
2008/09   **1st 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   **2nd year BTS IRIS** [Lycée Vauvenargues] (Aix en Provence-FR)
               (**IRIS: I**nformatique et **R**éseaux pour l'**I**ndustrie et les **S**ervices techniques)
2006/07   **1st year BTS IRIS** [Lycée Vauvenargues] (Aix en Provence-FR)
2005/06   **1st year IUT Génie Électronique et Informatique Industrielle** [IUT St. Jérome] (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)