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Highlights of Qualifications

Highly skilled Systems Administrator with over 6 years of experience managing and supporting Linux environments (RHEL, Debian, Ubuntu) across on-premise and cloud infrastructures including AWS, Hetzner, OVHCloud, and Linode. Strong expertise in system performance monitoring, network configuration, and troubleshooting, with deep understanding of TCP/IP, DNS, DHCP, routing, VPN technologies (OpenVPN, WireGuard), and BGP. Proficient in virtualization and container platforms such as Proxmox, KVM, and Docker, as well as in scripting and automation using Bash and Python to streamline deployments and maintenance processes. Experienced in implementing and maintaining system security controls, backups, and disaster recovery procedures to ensure data integrity and minimize downtime. Working knowledge of MySQL and MariaDB database administration, replication, and SQL query optimization. Familiar with enterprise monitoring, alerting, and security tools such as Icinga2, Wazuh, and Oxidized. Adept at collaborating with cross-functional teams, providing client support, and delivering infrastructure improvements aligned with operational and compliance requirements.

Languages

French (Native / Bilingual), English (Native / Bilingual)

Technical Skills

Database: MySQL, MariaDB, ProxySQL, Percona-Toolkit

OS: Debian, Red-Hat (CentOS, Rocky Linux), Ubuntu, Windows, Amazon Linux, FreeBSD

Web servers: nginx, Apache

Networking: tcpdump, HAProxy, OpenVPN, Wireguard, DHCP, DNS, TCP/IP, VPN, Routing, Keepalived

Firewall: iptables, Fortinet

Automation: Scripting, Ansible

FileSystem: NFS, Lsyncd

HyperVisor: ProxmoxVE, VMWare, **Cloud:** AWS

Monitoring: Icinga2, Nagios, Grafana, InfluxDB

Security: ClamAV, Wazuh – SIEM [Elasticsearch, Opensearch, Kibana]

Containerization: Docker

Versioning: Git

Programming Language: Bash, Python, GOLang, C++

Professional Experience

Systems Administrator, DPL Wireless, Canada (Remote)
(March 2024 – Present)

- Bi-weekly on-call participation ensuring business continuity 24/7/365 with minimal downtimes, and performing maintenance during out-of-office and low traffic hours.
- Perform regular sysadmin, and network management tasks, checking & maintaining local DNS, SAN, DHCP server, hardware health-checks, disk space management (ext4, xfs, ...).
- Implemented new distributed monitoring infrastructure for 4 different sites that converged to one primary node, that does not spam alerts when 1 whole site is down. Configuration is deployed through git. (VCS)
- Worked with PCI-DSS and SOC2 audits, ensuring our infrastructure is fully compliant with those regulatory bodies.
- Review vulnerabilities bi-yearly, and plan mitigation upgrades to remediate from those vulnerabilities.
- Participate in developing best practices for internal as well as partner's related tasks.
- Write documentation to share knowledge and to enforce best practices with the team.

- Perform monthly system maintenance on 4 sites, namely 3 Data-centers in New Brunswick remotely and on the cloud – AWS. Upgrades include performing a failover from main DC to Cloud and using a mixture of Ansible and scripts to perform the upgrades – package/system upgrades.
- Accept escalation from Tech Support team, to help find solutions and resolve issues in real-time from customers.

Linux Systems Engineer (L2), OceanDBA Ltd, Mauritius (Remote)

(September 2021 – May 2024)

- Use of Terraform and Ansible for infrastructure deployments and provisioning.
- Monitoring plugins written in Bash, Python and GoLang, followed best practices to ensure Nagios/Icinga2 has a good message displayed all-times – whether it's a green or red alert.
- Design and deploy complex system-related issues, employ advanced debugging techniques to find root causes, and apply fixes to prevent recurrence. 99.99% up-time obtained from solutions supplied.
- Specialize in optimizing performance for both Linux kernels and RDBMS (MySQL/MariaDB) with ProxySQL, undertake database architecture, setup, and migration tasks, and improve network performance in VxLAN networks for ProxmoxVE-based private clouds.
- Engage in client conversation “face-to-face” to walkthrough their problems and help them find their solutions either while on the call or through tickets.
- Perform regular database health-checks, test import from backups, test new parameters to ensure optimum database performance.

Junior System Engineer, Prevoir Solutions Informatiques, Mauritius

(November 2020 – September 2021)

- Wrote Dockerfiles specifically designed for 'gateways' used within financial applications aiming for 100% up-time, exhibiting expertise in creating efficient and secure containerized environments tailored for the finance sector.
- Collaborated with in-house Java developers to author tcpdump scripts, streamlining the debugging process, accelerates issue resolution and enhances application stability.

Education

Information Technology Infrastructure, Conestoga College, Waterloo, ON

(January 2024 – August 2024)

Ontario College Graduate Certificate

Server Administration, Network Administration, Automation, Virtualization, Hardware, Operating Systems.

Computer Science, University of Mauritius, Reduit, Moka

(August 2016 – May 2019)

Bachelor of Science degree

Programming, Operating Systems, Development, Web solutions, Parallel and distributed systems.

Extra Curriculars

Tutor, KW Education, Canada

(March 2025 – Present)

- Python Programming tutor for Grade 10, 11, 12 and University (first year) students.
- C++ Programming tutor for Grade 12 and University (first year) students.

HOMELABBING, Home, Earth

(May 2025 – Present)

- Proxmox VE + Linode VM for public entrance, and Ansible for bootstrapping VMs.
- FreeIPA authentication server, HAProxy, nginx,
- Implement Github Actions (CI/CD) for my blog, and Ansible role testing.
- Have a jellyfin instance deployed that acts like my Netflix for long-gone tvshows.