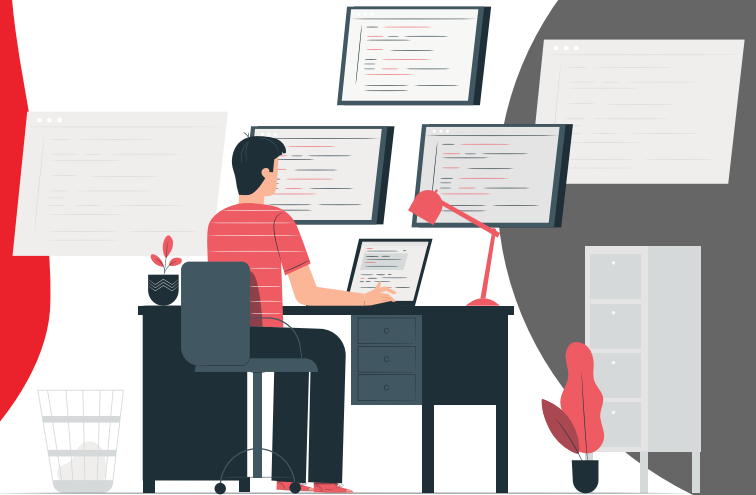# Join our team!

Site Reliability Engineer

CENGN is Canada's Centre of Excellence in Next Generation Networks. Our mission is to drive innovation and adoption of advanced networking technologies in Canada through our Living Labs and advanced networking infrastructure, technical expertise, talent development, and partner ecosystem, enabling the digital transformation and competitiveness of Canadian industry and the commercial growth of Canadian digital technology solutions.

With the digital transformation opportunity valued at over $200 billion in Canada, it is clear the new competitive landscape is being driven by digital innovation and the ability to integrate this technology across industries. Join our team, as we work with our ecosystem of technology, innovation, government, and academic partners to build Living Lab testing infrastructure and deliver services that accelerate the testing, validation, demonstration, commercialization and adoption of digital innovation across Canada.

For more information, check out: **https://www.cengn.ca**

The CENGN Advantage

Career Development
An agile company in a modern setting where your ideas and opportunities for growth are nurtured and encouraged

Canadian Innovation Support
Be part of an organization that drives innovation by providing Canadian start-ups and scaleups as well as tech students and professionals the ability to succeed

Great People
The advantage of working with colleagues passionate about their contributions and united under the same mission

Work Where You Work Best
Remote or hybrid options to suit your individual professional and personal needs

Benefits
- Attractive and Competitive Group Benefit Plan
- Phone plan reimbursement
- Employer paid RSP contribution with no matching requirement

Wellnes and Development
- Annual fitness allowance
- Wellness webinars, lunch and learns, and social events

Vacation and Time Off
- Three weeks vacation plus personal and sick days
- Annual Christmas shutdown

We are seeking a **Site Reliability Engineer (SRE)** with a balanced background in data center operations, DevOps methodologies, and cloud-native practices. In this role, you will be responsible for maintaining the reliability, scalability, and efficiency of both on-premises and cloud-based infrastructure, ensuring seamless service delivery and operational excellence.

Location: Ottawa

Salary: $100,000.00 - $120,000.00

Use of AI in Hiring: No, we do not use AI in screening/selection.

Vacancy Status: This posting is for an existing vacancy. We are hiring for 1 position.

Key Responsibilities:

Data Center Operations:

- Manage and maintain hardware infrastructure, including servers, networking, and storage systems. Perform routine maintenance, hardware replacements, and capacity planning.

- Oversee power and cooling requirements, ensuring optimal environmental conditions.

- Implement and maintain structured cabling and rack management best practices.

- Work with vendors for hardware procurement, support contracts, and troubleshoot hardware failures.

- Ensure proper monitoring is in place for all devices in the DC using SNMP, telemetry, and log aggregation. Establish a robust monitoring funnel to collect, process, and analyze metrics from network switches, storage systems, and compute resources, enabling proactive issue resolution and performance optimization.

Automation & Infrastructure as Code (IaC): Develop automation scripts using Terraform, Ansible, or similar tools to manage infrastructure.Cloud-Native & Hybrid Deployments: Design, implement, and maintain Kubernetes-based workloads across on-prem and cloud environments (AWS, Azure, or GCP).

Monitoring & Incident Response: Implement observability solutions using tools like Prometheus, Grafana, Datadog, or ELK. Respond to incidents, perform root cause analysis, and drive post-mortems.

CI/CD Pipeline Management: Develop and optimize CI/CD pipelines using Jenkins, GitLab CI, or ArgoCD to improve software deployment processes.

Security & Compliance: Implement security best practices for both on-prem and cloud environments, including access controls, patching, and vulnerability management.

Performance Optimization: Analyze and optimize system performance, with a focus on scalability and high availability.

Collaboration & Documentation: Work closely with developers, operations teams, and security engineers. Maintain comprehensive documentation for systems, processes, and procedures.

Key Competencies/Qualifications:

What you need:

- 3-5 years in SRE, DevOps, or Systems Engineering roles.

- **Data Center Knowledge:** Hands-on experience with racking, cabling, troubleshooting hardware, and managing networking equipment.

- **Linux Administration:** Proficiency in managing Linux-based systems (Ubuntu, RHEL, or CentOS).

- **Cloud Expertise:** Experience working with AWS, Azure, or GCP, including networking, compute, and storage services.

- **Container Orchestration:** Hands-on experience with Kubernetes and containerized workloads (Docker, Helm, Istio, etc.).

- **Automation & Scripting:** Strong experience with scripting languages (Bash, Python, or Go) and configuration management tools (Ansible, Puppet, or Chef).

- **CI/CD & GitOps:** Experience with tools like Jenkins, GitLab CI, or ArgoCD for automated deployments.

- **Observability & Logging:** Knowledge of monitoring tools such as Prometheus, Grafana, Loki, ELK, or Datadog.

- Strong IT operational background with day-to-day responsibility for servers, networks, monitoring, and incident response.

- Hands-on experience with **virtual networking**, bonded interfaces, VLAN segmentation, VRFs, and templated VM rollouts.

- Hands-on experience administering Proxmox hypervisors for multi-tenant VM deployments.

Preferred Qualifications:

- Networking Knowledge: Understanding of TCP/IP, VPNs, firewalls, and SDN concepts.

- Disaster Recovery & Backup Strategies: Experience implementing robust backup and failover strategies.

- Ansible Advanced Usage: Expertise in developing scalable and reusable Ansible playbooks for infrastructure automation.

- Advanced Kubernetes Administration: Experience with Kubernetes security policies, RBAC, service mesh implementations, and multi-cluster management.

- Practical experience operating Ceph storage clusters, including pool management and basic performance troubleshooting.

Experience:

- Minimum 3 years of experience in a progressive similar role

Languages:

- English oral, reading, and writing

- French oral, reading, and writing or any other language would be considered an asset

Education:

- Bachelor's degree or College Diploma in Engineering or Computer Science or related discipline

Interested and qualified candidates are invited to forward their resume in confidence to CENGN via CENGN's Application Portal.

Follow us on LinkedIn for more CENGN Career Opportunities!

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