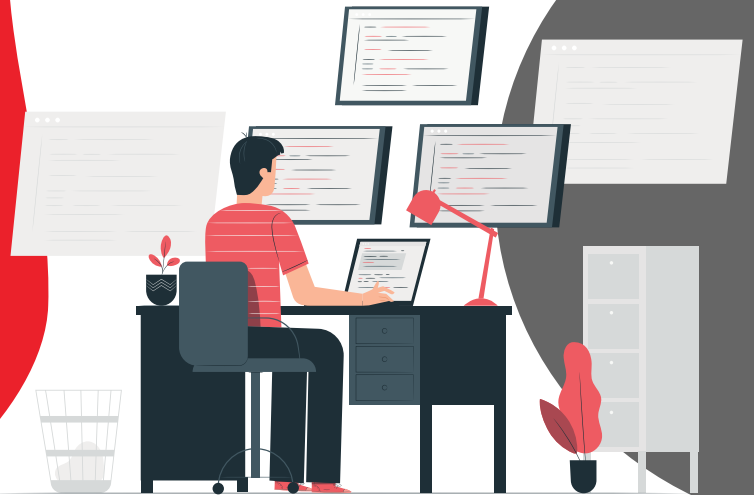




Join our team!

Network Engineering Manager – Security Architect



CENG N 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 CENG N 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

Wellness and Development

- Annual fitness and training and development allowance
- Wellness webinars, lunch and learns, and social events

Vacation and Time Off

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

The Opportunity

The **Network Engineering Manager - Security Architect** leads our network security initiatives. They manage the network engineering team, design and implement robust security architectures, and ensure the integrity and reliability of our network infrastructure. Reporting to the Senior VP, Technology Engineering Operations, this role is pivotal in safeguarding our data and assets while fostering an environment of innovation and excellence.

Location: Ottawa preferably

Salary: \$130,000.00 - \$140,000.00

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:

The Network Engineering Manager - Security Architect is the bridge between CENGn's services and the infrastructure behind it. The network engineering team develops and supports CENGn's innovative infrastructure so startups and scaleups can validate and test their solutions at production scale for commercial growth. The candidate will be responsible for the following:

- Leading cross-functional engineering teams, mentoring junior engineers, and fostering innovation
- Establishing priorities and distributing workload across the network engineering team, utilizing Agile methodology
- Working directly with new technologies to evaluate technical fit and alignment with CENGn's strategic value proposition
- Reviewing the scope and architecture of each project and providing security and network-related recommendations
- Maximizing delivery efficiency through ongoing evolution of existing services using automation and CI/CD in collaboration with the CENGn Infrastructure teams
- Providing input to the customer service evolution roadmap with regular communication towards the Customer Solutions Engineering and Business Development team to ensure commercialization project readiness
- Guiding and recommending technical solutions through consultation with customer solution engineers



Key Competencies/Qualifications:

- Ability to lead and motivate a network engineering team to build a security-first culture by mentoring engineers on secure coding, configuration, and design
- Ability to position services against customer requirements and contribute to service evolution offerings in an Agile manner
- Experience in defining policies, standards, and security guidelines across engineering projects
- Influence and recommend priorities at the onset of each new commercialization project through the test plan definition
- Acting as a trusted advisor to both technical teams and executives, balancing security with business needs
- Experience working with customers on end-to-end solutions with networking, application and data-related components
- Ability to communicate industry trends and complex technical topics
- Ability to effectively lead communications with technical engineering, project management, product management, business development, marketing and executives
- Practical understanding of the Agile methodology and associated tools like Confluence, Jira, and Bitbucket to provide progress reporting and manage team capacity



Must Haves:

- Expertise in cloud native application deployments (Docker, Kubernetes, CNCF projects, infra as-code) with a cloud agnostic approach
- Experience with frameworks like **SABSA, TOGAF, or NIST Cybersecurity Framework** to design secure, scalable infrastructures
- Ability to assess networking infrastructure and implement Zero Trust Networking (ZTN)
- Experience in applying ISO 27001, SOC 2, PCI-DSS, GDPR, and CSE/Canadian security standards.
- Strong expertise in TCP/IP, BGP, OSPF, MPLS, SDN/NFV, VPNs, and data centre networking.
- Understanding of **carrier-grade networking, cloud-native networking, and multi-vendor environments**
- Expertise in automation using one or more of the following automation tools or languages: Ansible, Terraform, Python or Go
- Expertise in UNIX/LINUX operating systems: RedHat, CentOS, Canonical Ubuntu, FreeBSD and other open-source distributions
- Experience with networking and routing protocols
- Skilled in firewalls, intrusion detection/prevention, secure network design and compliance frameworks
- Familiarity with 5G, LTE, Edge Computing and IoT network architectures
- Experience with hypervisor technologies: KVM+Openstack, VMWare or similar

Nice to have:

- Proven experience in system design and operations of highly available and distributed systems using containerization
- Proven experience with traffic and load generation tools such as jMeter, Locust, TRex, IXIA and any others
- Experience with modern distributed web architecture components like load balancers, reverse proxies, and web servers such as HAProxy, NGINX, Apache, Traefik, or similar
- Experience with virtualized network functions such as firewalls (commercial or open source)
- Experience with Cloudflare, Tailscale, JumpCloud, Okta or other networking, security and IAM platforms



Experience:

- Minimum 10 years of engineering leadership experience in a technology company involving advanced compute and networking



Languages:

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



Education:

- Bachelor's degree in Engineering or Computer Science or equivalent experience

Interested and qualified candidates are invited to forward their resume in confidence to CENGn via [CENGn's Application Portal](#).

Follow us!



CENGn reserves the right to remove this posting prior to the application deadline. CENGn thanks all applicants for their interest; however, only those selected for an interview will be acknowledged. CENGn is an equal opportunity employer.