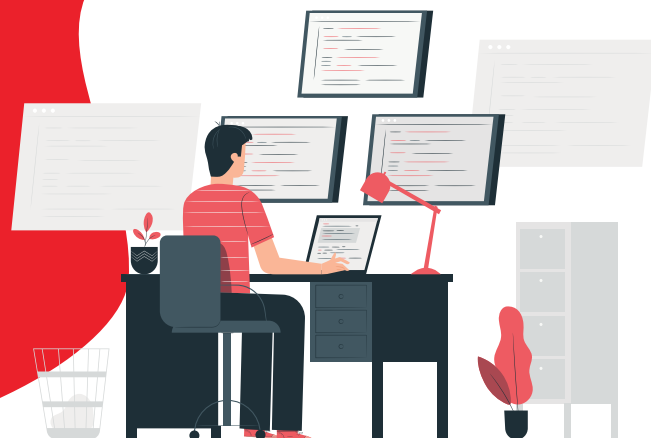




Join our team!

Cloud Native Developer



The Opportunity

The **Cloud Native Developer** plays a pivotal role in designing, implementing, and maintaining CENGN's cloud infrastructure and deployment pipelines, with particular focus on supporting our Kubernetes-based platform with Kafka at its core. This role works closely with the development, operations, and security teams to ensure the reliability, scalability, and security of our cloud-native applications and contributes to the betterment of the team through sound judgment, code review input, and knowledge sharing.

Location: Ottawa

Reports to: Manager, Automation & Operations

Salary Range: \$110,000 - \$130,000

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:

Infrastructure and Automation

- Design, build, and maintain cloud infrastructure using Infrastructure as Code (IaC) tools such as Ansible, AWX, Terraform, AWS CloudFormation, or similar technologies
- Automate tasks to integrate systems using APIs and other technologies
- Proficiency in command-line tools, package management, and Linux networking

CI/CD & Deployment

- Develop and implement CI/CD pipelines for automated deployment, testing, and monitoring of applications and infrastructure

Containerization & Orchestration

- Implement and maintain containerization solutions using Docker and orchestration platforms like Kubernetes
- Deploy and manage workloads using Helm

Data & Messaging

- Manage and maintain PostgreSQL databases, including schema design, evolution, and ongoing database maintenance
- Work with Kafka as the central messaging backbone of the Kubernetes platform; general message bus/queue concepts also apply to adjacent systems

Monitoring, Observability & Incident Response

- Implement, develop and maintain comprehensive monitoring, logging, and tracing solutions to provide visibility into cloud infrastructure and applications
- Respond to and troubleshoot incidents by analyzing logs, traces, and metrics; conduct root cause analysis to prevent recurring issues
- Optimize application performance, scalability, and reliability in a cloud-native environment by observing monitoring tools like, Prometheus, Loki and Grafana

Security & Compliance

- Implement best practices for security, compliance, and disaster recovery in a cloud-native environment.
- Implement and manage secure storage for secrets using tools like HashiCorp Vault, AWS Secrets Manager, or Azure Key Vault.

Collaboration & Documentation

- Collaborates with other technology and operations team members to align priorities and deliver shared objectives.
- Communicates progress, risks, and blockers clearly to relevant stakeholders, escalating issues in a timely manner.
- Participate in code/PR reviews and support teammates on day-to-day issues
- Mentors Co-ops by sharing technical knowledge, providing practical guidance, and encouraging sound engineering practices.
- Maintains clear, up-to-date documentation for systems, processes, and decisions to support continuity and knowledge transfer across the team.

Support CENGNG values

- Champion a culture of transparency with no silos and no surprises.
- Demonstrate and support our CENGNG values of integrity, accountability, agility, collaboration and fostering success.
- Bring solutions and decisions to the table with context, connected to our mission.



Key Competencies:

- Bachelor's degree (or equivalent) in Computer Science, Engineering, or related field, with proven experience designing, implementing, and managing cloud infrastructure on platforms such as AWS, Azure, or GCP.
- Strong hands-on experience with Linux distributions such as Ubuntu and SUSE, familiarity with monitoring and logging tools including Prometheus, Grafana, and Loki, and solid IP networking knowledge, with practical understanding of BGP.
- Strong proficiency in scripting/programming languages (Python, Bash, Go) and command-line tools, package management, and Linux networking; comfortable navigating multi-language codebases.
- Hands-on experience with Docker, PROXMOX, and Kubernetes (Vanilla and/or RKE2 a plus), plus CI/CD and Gitops tools such as Jenkins, ArgoCD, or CircleCI.
- Knowledge of cloud security best practices (IAM, encryption, network security) and understanding of Agile/DevOps methodologies across the software development lifecycle.
- Experience managing production workloads with real users/clients, understanding the added care required when systems are client- or user-facing
- Innovative, solution-oriented approach with strong problem-solving skills in distributed systems, excellent communication and cross-functional collaboration, and a commitment to staying current on industry trends (including emerging areas like 5G).

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

The CENGNG 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 environment 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

CENGNG-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.cengng.ca>

Follow us on LinkedIn for more CENGNG Career Opportunities!



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