



SANDER GEOPHYSICS

Position Title:	System Administrator, DevOps and Infrastructure
Reports to:	IT Manager
Location:	Ottawa office

The System Administrator, DevOps and Infrastructure performs day-to-day administration of SGL's infrastructure through maintaining, upgrading, managing and troubleshooting our software, hardware and networks.

Responsibilities

- Analyze, assess, and document on-premises physical server infrastructure requirements, oversee hardware and software installations, system monitoring, and preventive maintenance to ensure continuous availability of organizational systems;
- Design and implement log management and observability pipelines using tools such as Rsyslog, Loki, Vector, and Grafana;
- Develop information systems policies and procedures related to IT operations, including backup workflows, disk utilization assessments, and network share management across Windows and Linux environments;
- Assess and monitor infrastructure health metrics by developing system monitoring agents, integrating with directory services;
- Evaluate, deploy, and manage containerized services using Docker, and develop and maintain CI/CD pipelines in GitLab;
- Analyze requirements and design bare-metal Kubernetes clusters, including distributed storage (Ceph), networking, and load balancing solutions to support scalable and highly available systems;
- Assess existing workloads and provide recommendations for migration and consolidation onto container orchestration platforms, implementing monitoring, auto-scaling, and failover mechanisms to meet high-availability and business continuity requirements;
- Author infrastructure-as-code using Terraform/OpenTofu and Talos Linux for provisioning and managing Kubernetes cluster nodes in a reproducible, declarative manner;
- Develop and maintain identity and access management integrations;
- Build centralized IT management platforms/internal tooling (e.g., inventory, archiving, and media management systems) as containerized microservices deployed on Kubernetes;
- Design and operate access control reconciliation loops that enforce ACL state across systems based on authoritative directory sources;
- Develop automation for employee on-boarding and off-boarding workflows;
- Manage virtualization platforms including VMware vSphere and Proxmox VE for workload virtualization, VM provisioning, and resource allocation across the data center;

- Create custom container images for enterprise mail and groupware platforms, integrating CalDAV/CardDAV, LDAP authentication, and mail server monitoring;
- Maintain good records and documentation;
- Provide project status reports as required;
- Understand, comply with, and promote all company safety precautions and policies, including reporting hazards and incidents encountered during daily operations;
- Attend and complete training courses and/or company examinations, as required;
- Maintain a high level of technical and operational knowledge through direct engagement with colleagues, supervisors, and personal development;
- Maintain project schedules and design goals; and
- Perform and complete other duties as assigned..

Qualifications and Experience

- Postsecondary Degree or Diploma in computer science, related field or combined education and experience;
- Experience with Linux system administration and on-premises infrastructure management;
- Proficiency with containerization and orchestration technologies such as Docker and Kubernetes;
- Familiarity with CI/CD tooling, version control systems, GitOps workflows, and DevOps practices;
- Experience with infrastructure-as-code tools such as Terraform/OpenTofu;
- Experience with observability and monitoring tools (Prometheus, Grafana, Loki, Vector);
- Knowledge of networking concepts, directory services (LDAP, Active Directory, OIDC/SAML), database systems (MySQL/MariaDB, PostgreSQL), and distributed storage (Ceph);
- Experience with virtualization platforms such as VMware vSphere and Proxmox VE;
- Proficiency in Go, with additional experience in Python, TypeScript, and shell scripting;
- Experience building and maintaining custom container images and CI/CD pipeline templates;
- Experience with identity and access management, including OAuth2/OIDC, LDAP proxying, and SSO integrations;
- Knowledge of secrets management solutions such as HashiCorp Vault;
- Ability to obtain secret security clearance;
- Ability to produce thorough and effective technical documentation;
- Strong interpersonal, teamwork and communications skills; and
- Able to solve problems quickly and automate processes; and,
- Ability to establish priorities and multitask in a fast-paced environment.

Benefits

SGL is committed to promoting employee wellness and successful work-life balance. Employee benefits include (but are not limited to):

- Comprehensive benefits coverage including health, dental, vision, and paramedical;

- Life insurance;
- Employee and family assistance program;
- Paid vacation, personal leave, and medical leave;
- On-site gym; and
- On-site parking.

Interested applicants should forward their resume to careers@sgl.com. Please include the *position title in the subject line of your email*.

Sander Geophysics is an equal opportunity employer. Accommodations are available for applicants with disabilities throughout the recruitment process. If you require accommodation, contact Human Resources (at careers@sgl.com) prior to your interview. Please note that only applicants selected for an interview will be contacted. We thank all applicants for their interest.