

Skills

- Networking:
 - Network engineering / operations / automation, NFV
 - Muti-terabit scale network deployments Cisco, Juniper, Mellanox, Cumulus, SONiC, DriveNets
 - Routing protocols: BGP, IS-IS
 - MPLS, EVPN, SPRING / Segment Routing, QoS
 - IRR, RPKI
 - Arbor, Kentik, NetFlow/sFlow solutions; DDoS mitigation
 - AAA, TACACS+, TOTP and related services
 - Firewalls, including iptables, nftables, ipf, ipfw
 - Network management systems: LibreNMS, Zabbix, Cacti, Nagios/Icinga; SNMP
 - Routing policy development, Internet peering
- Programming:
 - Go (Golang), python, C++, C, shell, awk
 - netconf, restconf, gNMI, gRPC
 - Network programming, concurrent programming
- Unix:
 - Linux — all major distributions (Debian, CentOS, Ubuntu, RHEL) + FreeBSD, OpenBSD
 - SQL databases: PostgreSQL, MySQL/MariaDB, SQLite, ClickHouse
 - DNS, DNSSEC
 - Performance optimization, troubleshooting, custom install images, remote deployment
 - all classic daemons: ssh, ftp, dhcp, nginx, smtp, imap and so on
- Cloud:
 - GPU computing
 - KVM, containers, podman, docker
 - Kubernetes: k8s, k3s, Cilium
 - Infrastructure automation: cfengine, terraform
 - Time series, Graphouse, Graphite, Grafana, Prometheus
 - Log analysis: Fluent Bit, Graylog, Elasticsearch ELK, Kibana
 - S3, MinIO and other object storages
 - GitLab CI/CD, GitHub Action
 - Deckhouse

Certifications

- CKA, Certified Kubernetes Administrator
- CCNP, Cisco Certified Network Professional

Work Experience

- **Various Great Companies** Montreal, Canada
Infrastructure Automation, Networking, SRE, NDE *Dec 2004 - present*
 - Network and systems management, engineering and automation
 - Cisco, Juniper, Mellanox, Cumulus, DriveNets deployments in the multi-terabit environments
 - BGP, IGP policies development, QoS
 - Network policies development
 - SLA / KPI infrastructure development
 - Connectivity designs for exascalers
 - Network / system programming and automation, NETCONF, YANG
 - on-premise Kubernetes, object storages, CDN
 - Virtualization / containerization (podman, docker etc)
 - Development and maintenance of a backbone management software (ACL, BGP filters, communities, etc)
 - DDoS mitigation (Arbor and in-house solutions)
 - AAA services, TACACS+, PAM
 - IP address management software development
 - Development and management of an anycast DNS infrastructure (both IPv4 and IPv6)
 - Development of various network monitoring plugins both for open source and proprietary platforms
 - Advanced log processing platforms
 - Go, python, C++ programming