

**Aliaksei Sheshka**  
**NRE, SRE, infrastructure, networking**  
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Montreal, Canada

**Skills**

- Networking:
  - Network engineering / operations / automation, NFV
  - Multi-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  
Dec 2007 - present  
*Infrastructure Automation, Networking, SRE, NDE*
  - Network and systems management, engineering and automation
  - Cisco, Juniper, Mellanox, Cumulus, DriveNets
  - SLA / KPI infrastructure development
  - Network / system programming and automation, netconf
  - on-premise Kubernetes, object storages, CDN
  - Virtualization / containerization (podman, docker etc)
  - Network policies development
  - Development and maintenance of a backbone management software (ACL, BGP filters, communities, etc )
  - DDoS mitigation (Arbor and in-house solutions)
  - AAA services
  - 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
- **Bell Mobility** Montreal, Canada  
Feb. 2009 - July 2009  
*Unix Administrator*
  - Implementation of HA RADIUS servers infrastructure
  - Oracle DB administration
  - Deployment of a DIAMETER infrastructure for 3G/4G mobile networks
  - Solaris administration
  - Scripts development (Perl)
- **Gameloft** Montreal, Canada  
Feb. 2008 - Nov. 2008  
*Network Administrator*
  - Implementation of a high available IPsec VPNs around the World
  - Implementation of a high availability for content delivery system
  - Deployment of a auto-provisioning infrastructure for OpenBSD servers
- **Caxem** Montreal, Canada  
Dec. 2007 - Feb. 2008  
*System Administrator*
  - Firewalls administration

- Release management automation
- DB administration, migration and conversion in multi-vendor SQL environment
- Deployment of a high available infrastructure for content delivery

- **HSP Extmedia**

Minsk, Belarus

- *System Administrator*

*Jan. 2004 - Dec. 2007*

- Development, deployment and management of HSP infrastructure
- Network monitoring
- Remote System Administration and Security of Unix and Windows based systems
- Development of custom monitoring scripts (shell, ruby, python)
- Improvement of open source software, adding features requested by customer
- Deployment of a various virtualization solutions