# NETWORK ENGINEER – Waterloo, Ontario, Canada

Netsweeper Inc. is a worldwide organization specializing in Content Filtering Software Solutions. We hold the industry’s most advanced proprietary global filtering system for ISPs, Telcos, governments, schools, and corporations and our customers are located around the world and in every industry vertical. Netsweeper’s purpose is to protect people from inappropriate content that permeates the Internet and Webpages; our technology provides customers with the ability to choose available and allowable URLs, IMs, and file transfers. Our filtering software and solutions continuously evolve and offer the most protected and managed Internet experience currently available.

## Role:

Netsweeper is looking for a **Network Engineer** to help us build and manage our information systems. As part of our Network Operations team, you will assist with wiring, racking, monitoring, building, and planning. In addition, you will perform quality assurance tests and troubleshoot hardware and software issues to help us improve and maintain our data centers.  Our ideal candidate has experience in capacity planning and can ensure that our systems have the power to meet strategic business needs with few or no reliability issues. We strongly prefer candidates with a bachelor’s degree in computer science, and it is essential that you have a firm grasp of network storage principles and architecture and have a solid understanding of Network Security.

**Job Responsibilities:**

•            Assist in network design and implementation.

•            Provide network support with a variety of operating systems.

•            Install and configure computer network equipment.

•            Maintain network connectivity of all computer workstations and mobile computing systems.

•            Oversee local area network and wide area network.

•            Provide network support to users.

•            Maintain servers and associated hardware, applications, services, and settings.

•            Develop and monitor policies for the use of network resources.

•            Implement and manage disaster recovery and back-up.

•            Evaluate and recommend security improvements and system upgrades.

•            Monitor network to ensure optimal performance.

•            Create and maintain network users/permissions.

•            Test release of products to minimize user impact and ensure compatibility.

•            Create technical support documentation for systems and applications.

•            Oversee digital security.

•            Using security tools to protect the network from hackers, malware, and other threats

•            Attending meetings and leading computer training sessions

•            Maintain virtual infrastructure (ESX, Digital Ocean, AMI, Hyper-V, Azure, Rackspace, etc.)

•            Public and private Cloud (IaaS, PaaS, SaaS) provisioning, performance management, and

governance.

•            A strong understanding of Cloud native technologies and architecture.

•            Build and operate the cloud infrastructure, platform, and services to deliver highly available applications and integrations

•            Configuration and monitoring of Nagios, Zabbix and other monitoring systems.

•            Manage Linux based firewalls.

•            On call for emergencies

**Qualifications/Skills:**

•            Fundamental knowledge of networking concepts such as routing, proxying, ARP, Subnet/Super net,

DNS, DHCP, IP, TCP, UDP, ICMP, BGP, QoS etc.

•            Proven network engineering, network operations, and network performance analysis skills

•            Expertise in public and private Cloud (IaaS, PaaS, SaaS) provisioning, performance management, and

Governance

* Hands-on technical troubleshooting capabilities

•            Ability to work independently under minimal supervision

•            Knowledge of computing infrastructures

•            Familiarity with server management and monitoring tools

•            Exceptional critical thinking and problem-solving ability

•            Proficiency with scripting languages

•            Strong interpersonal skills to assist non-technical individuals with complex technical issues

•            Relevant work experience in server administration and cloud solution administration in an enterprise

environment.

•            Expertise with Amazon Web Services (AWS), Azure and VMware ESXi demonstrating experience

designing, configuring, provisioning, and deploying solutions specifically at the network layer

•            Understanding of SNMP MIBs and Traps

•            Excellent communications skills (Written and Verbal)

**Education and Experience Requirements:**

•             Bachelor’s degree in Computer Science or a related field

•             2+ years experience in a network administration role

•             Previous experience with Microsoft Windows Server 2008, 2012, 2016 and Azure preferred

•             Previous experience with Cisco switches and routers preferred

•             Previous experience with Linux, including SNAT, DNAT, IP Tables.

•             MCSE certification a plus an asset

•             CISSP, CCNA, or CCNP certification a plus

If you are an experienced **Network Engineer** and are looking to join a progressive, leading edge company, send your **Cover Letter and CV** to **hr@netsweeper.com**, and include "Network Engineer - Canada" in the subject line.

Netsweeper is committed to fostering an inclusive, accessible work environment, where all employees feel valued, respected, and supported. Netsweeper Inc. offers accommodation for applicants with disabilities as part of its recruitment process. If you are contacted to arrange for an interview or testing, please advise us if you require additional accommodation.

**COVID-19 considerations:** Virtual interviews.

Work Location**:** Work remotely temporarily due to COVID-19. Post-COVID-19 return to work, this position will be based in our **WATERLOO, ON** office.