Nenad Karlovcec

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Welland, ON, Canada

Seasoned network security engineering and architecture professional with a strong background in the design, implementation, and support of complex IP-based networks. Skilled in working with major firewall platforms, including Palo Alto, Fortinet, Cisco, and Check Point, across a wide range of projects. Recognised for taking initiative and driving results in fast-paced environments, with a proven ability to guide teams, mentor colleagues, and drive successful project outcomes. Known for a hands-on approach, creativity, and determination in overcoming challenges. Strong communication skills in English, Croatian, and Slovenian, with working proficiency in German.

Certifications

PCNSC - Palo Alto Networks Certified Network Security Consultant
March 2027
Palo Alto

PCNSE - Palo Alto Networks Certified Network Security Engineer
March 2027
Palo Alto

PCSFE - Palo Alto Networks Certified Software Firewall Engineer
May 2026
Palo Alto

PCCSE - Prisma Certified Cloud Security Engineer
July 2026
Palo Alto

Palo Alto Networks System Engineer (PSE) - Secure Access Service Edge (SASE) Professional
June 2026
Palo Alto

Palo Alto Networks Accredited Systems Engineer (PSE) - Software Firewall Professional
July 2026
Palo Alto

FCSS - Fortinet Certified Solution Specialist Network Security
August 2026
Fortinet

FCP - Fortinet Certified Professional Network Security
March 2026
Fortinet

Experience

iON United
Team Lead, Service Delivery — Oct 2025 - Present

iON United
Sr. Network Security Engineer — April 2025 - Present

iON United
Sr. Network Architect — February 2023 - March 2025

University of Toronto — Toronto
Firewall Engineer — September 2020 - September 2022
Contributed to projects and day-to-day operations as part of the University of Toronto Network Security Team, with responsibility for managing a fleet of Cisco ASA appliances and internet-facing Palo Alto firewalls.

Oslon IT Limited — Toronto
Owner — April 2015
Independent contractor supporting a range of organisations with a primary focus on networking and security technologies. Delivered multiple projects with leading integrators (CDW Canada, Insight Canada) in Sr. Network Security Consultant and Network Architect capacities. In addition to providing technical expertise, consistently served as project Team Lead - coordinating efforts across engineers, guiding solution design, and ensuring successful delivery for clients. A selection of these projects is outlined on the following page.

Siemens Canada Limited — Concord, ON
Network Consultant — October 2013 - March 2015

- Implemented designs including RUGGEDCOM products and multivendor solutions,
- Developed training course curriculums, built training material and performed training activities as needed,
- Worked on all RUGGEDCOM platforms with special expertise in *ROXI*, *ROXII* and *ROS* platforms,
- Advanced knowledge of all routing and switching services available on RUGGEDCOM products.

Education

University of Zagreb
Masters
Physics & Computer Science

https://www.pmf.unizg.hr/phy

Skills

Applications
MS Office Suite, MS Visio, MS Project, Firemon, Tufin

Servers and Protocols
VMware, vSphere, Citrix Xenserver, Proxmox

Operating Systems
Windows, macOS, Linux (Debian, Ubuntu), LXC/Docker

Public Cloud
Azure, AWS, Google Cloud

Network Automation
Ansible

Vendors
Palo Alto, Fortinet, Cisco, Check Point, Juniper, HP/Aruba

Routing
OSPF, EIGRP, BGP, RIP, static routing

Switching
STP (RSTP, PVST/PVST+, MSTP) , VLANs, EtherChannel, L2 Security

Network Technologies
Ethernet, IPv4/IPv6, VoIP/SIP Trunking, VRRP, VRF, port aggregation, IPSec

Projects

Sr. Network Architect/Technical Lead
New network build including migration services from existing firewall and LAN to new vendors (Palo Alto and Aruba). Complete network redesign and security hardening. - *IT Mission Global Services*

Sr. Network Architect/Technical Lead
New network build for a client based on Fortinet equipment, multi-site deployment including *ADVPN* solution for the client and remote access capabilities with *FortiAuthenticator* authentication. - *IT Mission Global Services*

Network Architect/Technical Lead
Designing a fully redundant network system connecting remote sites with Palo Alto firewalls via *certificate-based IPSec VPNs*, *BGP* and *OSPF*, *UserID* and *SSL decryption* with *DUO proxy MFA* for administrative access and GlobalProtect user authentication - *IT Mission Global Services*

Sr. Network Consultant/Technical Lead
Network architecture and firewall migration (Cisco ASA to Fortinet 200F) with new service implementation – *IT Mission Global Services*

Sr. Network Consultant/Technical Lead
Proof of Concept testing – new Internet facing firewall solution UAT (*URL Filtering*, *Threat Prevention*, *Wildfire*, *SSL decryption*) based on Palo Alto 7050 firewall – contract with *University of Toronto*

Languages

Croatian
Native

English
Fluent

Slovenian
Fluent

German
Intermediate

Projects Cont'd

Sr. Network Consultant/Technical Lead
Network Architecture
Network segmentation project – replacing existing L3 switches with Extreme Networks VSP appliances – contract with *Capgemini Canada – Ontario Power Generation (OPG)*

Sr. Network Consultant/Technical Lead
Network Architecture
Cisco (Viptela) SD-WAN proof of concept design & configuration – *IT Mission Global Services*

Sr. Network Consultant/Technical Lead
Network Architecture
Replacing existing security appliances with Cisco Meraki SD-WAN solution - *IT Mission Global Services*

Sr. Network Consultant/Technical Lead
Network Architecture
New network build – Cisco technologies: ISR, ASA, Catalyst setup and configuration – IT Mission Global Services