



Karl Nyen

Senior Systems Architect

TOOLBOX

Virtualization & HCI

Nutanix, VMware, KVM, Hyper-V, Virtual Distributed Networking

Cloud & Edge

AWS, Azure, Google Cloud, Cloudflare, Bunny, Infrastructure as Code (IaC), Nginx, OpenLiteSpeed, Apache, cPanel / WHM

Systems & Identity

Windows Server, Linux, Entra ID, Active Directory, Microsoft 365, Google Workspace, Red Hat, Ubuntu, Arch Linux, Patch Management, Lifecycle Planning

Network, Storage & DR

Global DNS, DHCP, Ubiquiti, Infoblox, Incident Triage, Synology, Enterprise SAN Storage (iSCSI, Fibre Channel), Veeam Backup & Replication, Enterprise NAS Storage (NFS, CIFS), Load Balancers, Data Center IMAC, Structured Cabling

Automation & Code

PowerShell, PowerCLI, Python, TypeScript, Next.js, Astro, JavaScript, HTML / CSS, MariaDB, SQLite

Delivery & AI

GitHub, Docker, systemd, Claude Code, Codex, MCP, Agile / Scrum, Jira / Confluence

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PROFILE

Senior systems architect with over 18 years in enterprise infrastructure, systems administration and cloud. For 12+ consecutive years I have been the trusted infrastructure advisor to one of British Columbia's largest Crown Corporations, leading technical teams through mission-critical change from architecture and planning to the overnight cutover.

18+

Years in enterprise IT

12+

Years with one Crown Corp

5,000+

VMs migrated

1.5M

IPs migrated to Infoblox

35+

Remote sites made HA

4x

VMware vExpert

EXPERIENCE

Systems Consultant, Strategic Business Solutions (SBS2)

Nov 2013 - Present

Long View Systems · British Columbia, Canada

- Architect and document end-to-end system designs spanning servers, databases, load balancers, firewalls, networking and SAN.
- Build and run highly available VMware vSphere, Nutanix HCI and Hyper-V platforms alongside Azure and AWS workloads.
- Lead data center migrations and hardware lifecycles from design to completion, mentoring junior engineers.
- Own PowerShell and PowerCLI automation, versioned in GitHub and delivered in Agile sprints.
- Tier-3 escalation and on-call incident triage for systems where downtime is not an option.

Service Desk Agent

Jun 2012 - Oct 2013

ISM Canada, an IBM company · British Columbia, Canada

- Primary IT contact for 19,000+ healthcare staff across two health authorities.
- Supported clinical platforms including Meditech, Goldcare, PACS and iSite.

Senior Support Technician

Aug 2011 - Jun 2012

RackForce Networks Inc. · Kelowna, British Columbia, Canada

- Supervised shift technicians and owned escalation for complex hosting incidents.
- Provisioned physical and virtual infrastructure and network configuration for hosting clients.

CERTIFICATIONS

VMware vExpert

VMware · 2016, 2017, 2018, 2019

VMware Certified Associate, Data Center Virtualization (VCA-DCV)

VMware · 2015

VMware Certified Associate, Cloud (VCA-Cloud)

VMware · 2015

VMware Technical Solutions Professional (VTSP)

VMware · 2015

MCP, Windows Server 2016 Installation, Storage and Compute (70-740)

Microsoft · 2016

Veeam Backup Academy Certified Professional

Veeam · 2016

Brocade Accredited Data Center Specialist

Brocade · 2014

Tintri Certified Systems Engineer (TCSE)

Tintri · 2015

cPanel & WHM Administrator (CWA)

cPanel · Certified

cPanel & WHM Sales Professional

cPanel · Certified

Google AI Professional Certificate

Google · 2026

EDUCATION

Diploma of Technical Studies, Information Systems Technology

British Columbia Institute of Technology, 2009-2011

CLEARANCE

Classified/Secret Security Clearance (Canada)

SELECTED ENGAGEMENTS

- **Cross-Platform Workload Migrations** (Long View Customers, 2021-Present): Migrating customer workloads between platforms: VMware to VMware, VMware to Nutanix, virtual to cloud, cloud to virtual, and physical to virtual.
- **Infoblox Enterprise IPAM Migration** (Large Crown Corporation in British Columbia, 2017-2018): Project manager and technical lead moving 1.5 million IP addresses from SolarWinds into Infoblox with no service disruption, plus Network Insight discovery and staff training.
- **VMware Evergreen Upgrade** (Large Crown Corporation in British Columbia, 2018-2019): Three vCenters moved from Windows to VCSA 6.7 with embedded PSCs; 250+ ESXi hosts upgraded non-disruptively; datastores rebuilt from 2 TB to 10 TB on VMFS6.
- **Nutanix Hyperconverged Modernization** (Large Crown Corporation in British Columbia, 2020-2024): Replaced legacy virtual hosting at primary data centers and remote sites with Nutanix clusters, including live production cutovers and structured cabling.
- **Gaming Management Systems** (Large Crown Corporation in British Columbia, 2013-2015): Highly available multi-data-center DHCP across 35+ casino sites, keeping 35,000 revenue-generating endpoints online for a \$1.7B operation.
- **Enterprise DNS & DHCP Evergreen** (Large Crown Corporation in British Columbia, 2016-2017): Standardized DNS and DHCP architecture across business units and migrated thousands of servers and endpoints to HA appliances.

HOW I WORK

Rollback First. Every change ships with a tested way back.

Write It Down. Runbooks, diagrams and decision records that outlive the project.

Automate the Second Time. Do it once by hand; script it before the third.

Calm Under Pressure. Outages and overnight cutovers get a steady hand and clear communication.

COMMUNITY & LEADERSHIP

Kamloops Search and Rescue

Ground Search Team Leader (GSTL) and JIBC-Certified GSAR Instructor. Leads ground search teams and trains volunteers in tracking, search theory and Incident Command (ICS 100) across the Thompson-Nicola region.

Home Lab

Multi-Node 32U Rack. Tests automation, hosting stacks and AI tooling before they reach production.

vSkilled.com

Technical Blog Since 2014. 72 posts on home lab builds, VMware migrations and hardware reviews; rebuilt on Astro in 2026.