# Peter Charles

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VMware and Data Center experience in RBC and Centennial College; VCP-Cloud, MCSE, CCNP

**SUMMARY:**

* Bachelor's Degree of Computer and Communication Network
* 5+ years’ experience of Systems Administrator
* 5+ years’ experience with Linux (Redhat,/CentOS/Ubuntu) and Windows server (Windows Server 2012/2008/2003) operating systems and services in a demanding production environment.

Windows Server Certification:

MCSE ( Microsoft Certified Solutions Expert: Windows Server 2012)

* 5+ years’ experience with the LAMP stack, VMware, virtualization, and 1 year with Amazon Web Services.

VMware Certification:

VCP-Cloud (VMware Certified Professional Cloud), VMware, Inc.

VCP5-DT (VMware Certified Professional 5 Desktop), VMware, Inc.

VCP5-DCV (VMware Certified Professional 5 Data Center Virtualization), VMware, Inc.

* 5+ years’ experience with networking equipment and protocols.

Network Certification:

CCNP (Cisco Certified Networking Professional), Cisco Systems, Inc.

* RBC and Centennial College experience in datacenters and highly available environments.

Data Center Certification:

CCNA Data Center (Cisco Certified Network Associate Data Center), Cisco System, Inc

Cisco Data Center UF Support Specialist, Cisco Systems, Inc.

Cisco Data Center Unified Computing Design Specialist, Cisco Systems, Inc.

Cisco Unified Computing Technology Design Specialist, Cisco Systems, Inc.

Cisco Unified Computing Technology Support Specialist, Cisco Systems, Inc.

* 5+ years’ experience with Linux and Windows server operating systems and services.
* Basic programming/scripting in Bash, PowerShell, PowerCLI, Java, C#, Python, Perl, Ansible.
* RBC and Centennial College xperience working with development teams, deploying updates and issue management.
* Exceptional communication skills.
* Proven ability to build strong working relationships with peers and Executives.
* Ability to work independently and as part of a team.
* Proven ability to take initiative and see projects through to completion.
* Passionate about technology.
* Continual learner.
* RBC and Centennial College experience with the following is highly desired:
* Information security

Security Certification:

CCNA Security (Cisco Certified Network Associate Security), Cisco Systems, Inc.

* Network monitoring

**Technologies**

**VMware:** VMware vCenter Converter, ESXi, vSphere PowerCLI, vRealize Operations Manager, vRealize Automation

**Cloud:** Microsoft Azure Cloud, Office 365, VMware vCloud, Amazon Web Services (AWS), OpenStack Private Cloud

**Windows:** Windows Server 2003/2008/2012, Exchange, SharePoint, Hyper-V, Active Directory, Group Policy

**Unix/Linux:** Red Hatt, CentOS, Ubuntu, RPM, yum, apt

**Data Center Technology:** vPC, VDC, VXLAN, NX-OS, SAN, VSAN,NAS, FCoE, iSCSI, NFS, CIFS, LUN, RAID

**Data Center Device:** Cisco UCS 5108/B200 M3 Blade Server/C220 M3 Rack Server/6248UP Fabric Interconnect, Dell PowerEdge R920**,** Cisco Nexus 9396/7009/5548UP/2232 Fabric Extender/1000v,

**Storage:** EMC VNX 5200/NetApp FAS2552 Storage System

**Network Technology:** TCP/IP,ARP, STP, VLAN, 802.1Q, HSRP, VRRP, EIGRP**,** OSPF, BGP,MPLS, VRF, DNS, DHCP, HTTP, FTP, Telnet, SSH, VSS, NAT/PAT, IPSEC, SSL, IP Spoofing, Cisco IOS, 802.11a/b/g/n

**Switch:** Cisco Catalyst 6880-X/ 6500/4500-X/3850/3650/2960-X Switch

**Router:** Cisco 800/ASR 1000/

**Firewall:** DMZ, VPN, IPS, DDoS, Cisco ASA 5516-X, CheckPoint, Palo Alto

**Load balancer**: F5 LTM/GTM, Citrix Netscaler

**Network Tool:** SolarWinds, Nagios, OpenNMS, Wireshark, Fiddler, Sysinternals Suite

**Certifications**

**VMware**

* VCP-Cloud (VMware Certified Professional Cloud), VMware, Inc.
* VCP5-DT (VMware Certified Professional 5 Desktop), VMware, Inc.
* VCP5-DCV (VMware Certified Professional 5 Data Center Virtualization), VMware, Inc.

**Windows Server**

* MCSE ( Microsoft Certified Solutions Expert: Windows Server 2012), Microsoft

**Data Center**

* CCNA Data Center (Cisco Certified Network Associate Data Center), Cisco System, Inc
* Cisco Data Center UF Support Specialist, Cisco Systems, Inc.
* Cisco Data Center Unified Computing Design Specialist, Cisco Systems, Inc.
* Cisco Unified Computing Technology Design Specialist, Cisco Systems, Inc.
* Cisco Unified Computing Technology Support Specialist, Cisco Systems, Inc.

**Storage**

* EMCISA (EMC Proven Professional Information Storage Associate), EMC

**Network**

* CCNP (Cisco Certified Networking Professional), Cisco Systems, Inc.
* CCNA Security (Cisco Certified Network Associate Security), Cisco Systems, Inc.

**Developer**

* SCJP (Sun Certified Java Programmer), Sun microsystems

**Telecom**

* Senior Telecom Engineer, China Telecom
* The 21st – Century Elite, China Telecom

**PROFESSIONAL EXPERIENCE:**

**Centennial College, Toronto, Ontario Technical Analyst 2015.9-2016.3**

* Maintain hardware and software infrastructure to ensure continued stability.
* Analyze logs, data, and other sources of information to ensure ongoing infrastructure stability.
* Test and deploy changes to web apps and pages, as well as deploying services to servers for both internal and external use.
* Assist staff with computer related issues.
* Research potential hardware and software upgrades.
* Develop plans, projects and policies to be implemented within the company.
* Develop scripts for automated tasks.
* Manage and ensure effectiveness of security solutions.

Project: Design and Implement VMware Cloud

Technology: VMware vCenter/ESXi, NSX,, Windows Server 2012, Active Directory, NFS, iSCSI, vPC, VSAN,

Device: Cisco UCS C220 M3 Rack Server, Dell PowerEdge R920**,** Cisco Nexus 7009/5548UP/2232 Fabric Extender/1000v, NetApp FAS2552 Storage, Cisco 800 Router, Cisco Catalyst 6880-X/3850/2960-X Switch

Project: Develop and Deploy Smart IV Web Application in Microsoft Azure Cloud

Technologies: Microsoft Azure Cloud, Web App, C, C#, WCF, WPF, Cloud Message for Android and IOS, MySQL

Project: Develop and Deploy Community Exercise Messaging System for Centennial College

Technologies: Microsoft Azure Cloud, Web API, JavaScript, Cloud Message for Android and IOS

**RBC Financial Group, Toronto, Ontario Technical Support 2011.1-4, 2011.9-12**

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Project: Deploy Servers in VMware

Technologies: VMware vCenter, NSX, Windows Server 2008, Active Directory, NAS, NFS, iSCSI, vPC

Device: Cisco UCS 5108/B200 M3 Blade Server/C220 M3 Rack Server**,** Cisco Nexus 7009/5548UP/2232 Fabric Extender/1000v, EMC VNX 5200 Storage, Cisco 800 Router, Cisco Catalyst 6880-X/3850/2960-X Switch

Project: Automate VMware VMs daily report

Technologies: VMware vCenter/ESXi, Windows Server 2008, Active Directory, Group Policy, SQL Server, C#

Project: Automate daily report from Oracle BI to SharePoint

Technologies: Windows Server 2008, Active Directory, Group Policy, PowerShell, SharePoint, Oracle BI, IIS, C#

**World Service Cargo, Toronto, Ontario Network Administrator 2009.2-6**

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* Develop plans, projects and policies to be implemented within the company.
* Develop scripts for automated tasks.
* Manage and ensure effectiveness of security solutions.

Project: Enhance Wireless Network Security.

Technologies: Windows Server 2008, TCP/IP, DNS, DHCP, Active Directory, Group Policy, PKI, 802.11a/b/g

**A2AWeb Solution Inc., Toronto, Ontario Web Developer 2008.11-2009.2**

* Maintain Web hosting and develop web applications

Project: Developed Web Application integrated with SQL database

Technologies: Javascript, Python, C#, Windows Server 2008, IIS, SQL Server

**China Telecom, China Senior Network Engineer 1998.8-2008.8**

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* Develop scripts for automated tasks.
* Manage and ensure effectiveness of security solutions.

Project: Build Telecom Data Center

Technologies: VMware vCenter/ESX, vSphere, Windows/Linux Server, Active Directory, Group Policy, SQL Server

**EDUCATION:**

* Computer and Communication Networks, Bachelor's Degree, Centennial College 2013-2015
* Computer Systems Technology – Networking , Advanced Diploma, Centennial College 2010-2012