# Peter Charles

# 230 OAK Street, Toronto, Ontario M5A 2E2

Tel: (416)839-6065 E-mail: petercharles.ca@gmail.com

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

**SUMMARY:**

* Bachelor's Degree of Computer and Communication Networks
* 5 years’ experience of Windows; e.g., in RBC, managed 5000 users and 500 servers in Windows and Linux platform integrated Active Directory, Exchange, DNS, DHCP.
* 5 years’ experience of Unix/Linux; e.g., install packages, configure network, deploy LAMP servers, maintain/troubleshoot/monitor servers, backup/restore servers,
* 5 years of experience of Networking; e.g., configure and maintain network devices (routers/switches/firewalls0 in three layer hierarchical network (Access/Distribute/Core Layer)
* 5 years of experience of VMWare; e.g., deploy VMs in vSphere ESXi hosts with vSphere Distributed Switch, backup and restore VMs using VMware Site Recovery Manager, monitor/troubleshoot ESXi hosts
* Certifications for Windows Server, Network, VMware, Storage, Data Center, Java, and Telecom, such as VCP, MCSE, and CCNP.

**Technologies**

**VMware:** VMware vCenter Converter, ESXi

**Cloud:** Microsoft Azure Cloud, Office 365, VMware Cloud, AWS, OpenStack, Google Cloud Platform

**OS:** Windows Server 2003/2008/2012, Exchange, SharePoint, Hyper-V, Unix/Linux

**Data Center:** vPC, VDC, VXLAN, NX-OS, SAN, FCoE, iSCSI, NFS, CIFS, Cisco UCS, Cisco Nexus Switch,

**Network:** VLAN, OSPF, BGP,MPLS, NAT/PAT, IPSEC, Switches, Routers, Firewalls

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

**DevOps:** Ansible, Python

**PROFESSIONAL EXPERIENCE:**

**Centennial College, Toronto, Ontario System Administrator 2015-2016**

* Provisioning, installation/configuration, operation, and maintenance of systems hardware and software
* Diagnosing and resolving performance issues to ensure optimal performance and reliability
* Planning updates and maintenance of hardware and software resources

Project: Design and Implement VMware Cloud

Technology: VMware vCenter/ESXi, vRealize Automation, NSX, Windows Server 2012, 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

**ADR (Accurate Data Recovery), Toronto, Ontario System Administrator 2012-2015**

* Provisioning, installation/configuration, operation, and maintenance of systems hardware and software
* Diagnosing and resolving performance issues to ensure optimal performance and reliability
* Planning updates and maintenance of hardware and software resources
* VMware/Windows/Linux Data Recovery

Project: Build OpenStack Private Cloud in VMware

Technologies: OpenStack, VMware ESXi, Windows Server 2012, Linux, Storage

Project: Develop and Deploy Self-Service Web Application in Amazon EC2

Technologies: Amazon EC2, JavaScript, MongoDB, Express.js, Agular.js, Node.js,

**RBC Financial Group, Toronto, Ontario System Administrator 2011**

* Provisioning, installation/configuration, operation, and maintenance of systems hardware and software
* Diagnosing and resolving performance issues to ensure optimal performance and reliability
* Planning updates and maintenance of hardware and software resources

Project: Deploy Servers in VMware

Technologies: VMware vCenter, Windows Server 2008, Active Directory, Group Policy, 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 Medium High Risk Report from Oracle BI to SharePoint

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

**China Telecom, China Senior Network Engineer 2003-2008**

* Provisioning, installation/configuration, operation, and maintenance of systems hardware and software
* Diagnosing and resolving performance issues to ensure optimal performance and reliability
* Planning updates and maintenance of hardware and software resources

Project: Build Telecom Data Center

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

Project: Internet service network system Extension

Technologies: DNS, DHCP, FTTB (Fiber to the Building) +LAN, ADSL

Devices: Routers, Switches, Firewall

**EDUCATION/Certifications:**

* Computer and Communication Networks, Bachelor's Degree, Centennial College
* Computer Systems Technology – Networking , Advanced Diploma, Centennial College

**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.

**Java**

* SCJP (Sun Certified Java Programmer), Sun microsystems

**Telecom**

* Senior Telecom Engineer, China Telecom

The 21st – Century Elite, China Telecom