# Peter Charles

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

Systems and Network Administrator

**SUMMARY:**

* Bachelor’s degree in Computer and Communication Networks
* 1+ year experience managing Unix and Microsoft Windows based systems with strong knowledge of the FreeBSD operating system, e.g. install, configure, operate maintain hardware and software for Unix/Windows server include network devices and virtual machines.

Windows Server Certification:

* MCSE ( Microsoft Certified Solutions Expert: Windows Server 2012), Microsoft
* 1+ year experience of the following applications: Apache, Sendmail, Postfix, BIND, MySQL; e.g. build LAMP(Linux, Apache, MySQL, PHP) server in Unix/Linux
* 1+ year experience of Radius, CVS, Procmail, e.g. authenticate Windows users from Linux using Radius, integrate Eclipse with CVS for software version control
* 1+ year experience networking concepts with hands on experience on Cisco routers

Network Certification:

* CCNP (Cisco Certified Networking Professional), Cisco Systems, Inc.
* 1+ year experience to write small to medium applications in languages such as PHP, Shell Script, and C
* Comfortable working on multiple projects in a fast-paced environment
* Ability to document work including producing user-level documentation
* Strong problem-solving and trouble-shooting skills
* Excellent communication (both written and verbal) and interpersonal skills with other staff and customers

**PROFESSIONAL EXPERIENCE:**

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

* working independently and with various contractors for the ongoing design and maintenance of various aspects of hosting, connectivity, and registration operations.
* Evaluate, deploy and maintain various industry leading Server and Storage systems.
* Plan capacity, develop solutions, deploy & operationalize the infrastructure for service and new projects.
* Systems Security & Risk Mitigation.
* Build and manage Virtual Computing in various Private and Public Cloud setups.
* Help build and operate IAAS & Cloud Services for internal business units.
* Maintain systems integrity and conduct data analysis to optimize systems performance.
* Translate business requirements into technical requirements, coordinate tasks and submit regular status updates to management and business users.
* Develop/maintain documentation of system inventory, designs, operating procedures and escalation matrix.

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

* Administer & support VMware in private cloud infrastructure
* Administer & support Windows and Linux
* VMware/Windows/Linux Data Recovery

Project: Build OpenStack Private Cloud in VMware

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

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

* Evaluate, deploy and maintain various industry leading Server and Storage systems.
* Plan capacity, develop solutions, deploy & operationalize the infrastructure for service and new projects.
* Systems Security & Risk Mitigation.
* Build and manage Virtual Computing in various Private and Public Cloud setups.
* Help build and operate IAAS & Cloud Services for internal business units.
* Maintain systems integrity and conduct data analysis to optimize systems performance.
* Translate business requirements into technical requirements, coordinate tasks and submit regular status updates to management and business users.
* Develop/maintain documentation of system inventory, designs, operating procedures and escalation matrix.

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#

**World Service Cargo, Toronto, Ontario System Administrator 2009**

* Administer & support VMware
* Troubleshoot, administer and optimize Microsoft Windows servers
* Work with various service providers & vendors to troubleshoot and continually improve IT infrastructure.

Project: Developed Web Application integrated with Oracle

Technologies: Java servlet, Red Hat, Oracle, Tomcat, Apache,

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 2008-2009**

* 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 1998-2008**

* Evaluate, deploy and maintain various industry leading Server and Storage systems.
* Plan capacity, develop solutions, deploy & operationalize the infrastructure for service and new projects.
* Systems Security & Risk Mitigation.
* Build and manage Virtual Computing in various Private and Public Cloud setups.
* Help build and operate IAAS & Cloud Services for internal business units.
* Maintain systems integrity and conduct data analysis to optimize systems performance.
* Translate business requirements into technical requirements, coordinate tasks and submit regular status updates to management and business users.
* Develop/maintain documentation of system inventory, designs, operating procedures and escalation matrix.

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