# Peter Charles

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System Administrator

installation, configuration, operation, and maintenance of systems hardware and software and related infrastructure.

**SUMMARY:**

* Bachelor’s degree in Computer and Communication Networks
* 5 years of previous Platform System Administrator experience with installation, configuration, operation, and maintenance of systems hardware and software and related infrastructure.
* 5 years’ experience of Server Infrastructure, Virtualization and Operating Systems – which includes Linux, Oracle; Windows and VMware, such as install packages and configure iptables in Ubuntu/Red Hat, automate daily report from Oracle BI to SharePoint in RBC, admin Windows Active Directory and WSUS, deploy VMs in Distributed Switch using VMware vCenter, backup/restore VMs using VMware Site Recovery Manager
* Storage Certification:
* EMCISA (EMC Proven Professional Information Storage Associate), EMC
* Windows Server Certification:
* MCSE ( Microsoft Certified Solutions Expert: Windows Server 2012), Microsoft
* VMware Certification:
* VCP-Cloud (VMware Certified Professional Cloud), VMware, Inc.
* VCP5-DCV (VMware Certified Professional 5 Data Center Virtualization), VMware, Inc.
* VCP5-DT (VMware Certified Professional 5 Desktop), VMware, Inc.
* Possess superior technical aptitude and ability to grasp and work with new technologies
* Experience working with open sources tools like Subversion, Trac, Glassfish and TomEE
* 5 years’ experience with automation scripts, shell scripts in .Net/Javascript, such as Bash, Python, Ansible, Perl, PowerShell, C#, ASP.Net, Angular.js, Node.js, Express.js, MongoDB
* 5 years’ development experience in writing SQL statements, e.g., developed and deployed Community Exercise Messaging System for Centennial College integrated MySQL database,
* Development experience working with web applications written in Java, e.g. developed web application integrated with Oracle using Java servlet in World Service Cargo
* 5 years’ experience in Oracle and SQL DB
* Possess superior technical aptitude and ability to grasp and work with new technologies
* Seven more years of experience in Server & Storage infrastructure setup & operations in medium-to-large scale environments, e.g., built Data Center integrated Windows/Linux Server, SAN, iSCSI, FCOE
* Four more years of real-time work experience with Microsoft Windows Server OS (Win2K8 or higher), Redhat Enterprise Linux (RHEL 5.x or greater), e.g. install new or rebuild existing services and hardware, peripherals, settings, storage in Windows Server OS and RHEL.

Windows Server Certification:

* MCSE ( Microsoft Certified Solutions Expert: Windows Server 2012), Microsoft
* Four more years of hands-on experience in Server Virtualization & Cloud Computing using VMWare ESXi & Management tools (v 5.x or greater), include Hyper-V, Citrix. e.g., build VMware vCloud, deploy/manag VMs in DRS cluster using VMware ESXi & vCenter/VMware vRealize Operations Manager; backup and restore VMs using VMware Site Recovery Manager.

VMware Certification:

* VCP-Cloud (VMware Certified Professional Cloud), VMware, Inc.
* VCP5-DCV (VMware Certified Professional 5 Data Center Virtualization), VMware, Inc.
* VCP5-DT (VMware Certified Professional 5 Desktop), VMware, Inc.
* Four more years of hands-on experience in various enterprise Storage systems and technologies over variety of protocols (SAN, NAS, NFS, CIFS, etc.). Hands-on experience with various models of HP 3-PAR, EMC-VNX and NetApp storage systems. Comfortable in deploying and managing various SAN switches, such as Cisco MDS 9000, Nexus 7000/5000/2000

Storage Certification:

* EMCISA (EMC Proven Professional Information Storage Associate), EMC
* Two more years of experience in dealing with various small-to-medium business grade Cisco/Juniper networking devices (Switches, Routers, Load-balancers & Firewalls), e.g. Cisco Catalyst 6880-X/ 6500/4500-X/3850/3650/2960-X Switch, Cisco 800/ASR 1000 Router, F5 Load Balancer, Cisco ASA 5516-X Firewall

Network Certification:

* CCNP (Cisco Certified Networking Professional), Cisco Systems, Inc.
* CCNA Security (Cisco Certified Network Associate Security), Cisco Systems, Inc.
* Two more years in Data center operations, including hardware provisioning and experience with various systems, storage, network and transport protocols & standards.

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.
* Fluent in current version of Microsoft Office tools for efficient business communication and Visio & Project for technical diagrams and project planning.
* 5+ years’ experience with Databases (MySQL, MS SQL, Oracle and/or DB2), Web Services (IIS, Apache) and scripting.
* Self-directive ability to multitask and balance competing priorities. Highly motivated individual to quickly learn organizational dynamics and excel in service delivery aspects.
* Flexible and adaptable to time sensitive situations and ability to work in demanding environments.
* Excellent oral, written and interpersonal skills.

**PROFESSIONAL EXPERIENCE:**

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

* 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: 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**

* 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**

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**Data Center**

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* 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