# Peter Cai

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**SUMMARY:**

* Bachelor's Degree of Computer and Communication Networks
* MCSE ( Microsoft Certified Solutions Expert: Windows Server 2012)
* 10+ years’ experience of Windows, Unix/Linux, Network administratation
* 5+ years’ experience in Visual Basic and .NET programming, such as ASP.NET, MVC, WCF, WPF
* 10+ years’ experience with computer hardware
* 5+ year Hypervisor expertise in VMware,

**Technologies**

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

**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**

* 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**

* Develop, deploy, support Web Applications integrated Apps
* Admin and Support Networking, Database, Windows/Linux
* Admin and support database data/schema comparisons
* Manage Windows with PowerShell and automate Windows Azure deployments
* Administer & support VMware ESXi in a multi-tenant & multi-site private cloud infrastructure
* Administer & support SAN & Fiber Channel Switch infrastructure
* Troubleshoot, administer and optimize Microsoft Windows servers

Project: Design and Implement VMware Cloud

Technology: Network, SQL Server 2012, Windows Server 2012, VMware vCenter/ESXi, vRealize Automation, NSX, 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 (Intravenous) Web Application in Microsoft Azure Cloud

It helped staffs get group messages from cloud in real time. When there was a new message in a group, it would be broadcasted to all smart phones registered in the group.

Technology: SQL Server 2012, IIS, SSRS, SSMS, SQL Server Profiler, Windows Server 2012, Microsoft Azure Cloud, Web App, C, C#, WCF, WPF, Cloud Message for Android and IOS

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

It helped nurses monitor Intravenous from cloud using smart phones. When intravenous was almost empty, it would trigger alarms using the nurses smart phones.

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

**ADR (Accurate Data Recovery), Toronto, Ontario Technical Analyst 2012.1-2015.8**

* Admin and Support Networking, Database, Windows/Linux
* Admin and support database data/schema comparisons
* Manage Windows with PowerShell
* 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 Technical Analyst 2011.1-4, 2011.9-12**

* Develop, deploy, support Web Applications
* Admin and Support Networking, Database, Windows/Linux
* Manage Windows with PowerShell
* Administer & support VMware ESXi in a multi-tenant & multi-site private cloud infrastructure
* Administer & support SAN & Fiber Channel Switch infrastructure
* Troubleshoot, administer and optimize Microsoft Windows servers

Project: Deploy Servers in VMware

Technology: 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

It reduced the manual work from 3 hours to 10 minutes automatic work.

Technology: 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

It reduced the manual work from 2 hours to 7 minutes automatic work.

Technology: SQL Server 2005, IIS, SSRS, SSMS, SQL Server Profiler, Windows Server 2008, Active Directory, Group Policy, PowerShell, SharePoint, Oracle BI, IIS, C#

**World Service Cargo, Toronto, Ontario Technical Analyst 2009.2-6**

* Admin and Support Networking, Database, Windows/Linux
* Manage Windows with PowerShell
* Administer & support VMware
* Troubleshoot, administer and optimize Microsoft Windows servers

Project: Enhance Wireless Network Security.

Technology: 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: Self Service Web System

Technology: SQL Server 2012, IIS, SSRS, SSMS, SQL Server Profiler, Javascript, Python, C#, Windows Server

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

* Maintain Web hosting and develop web applications
* Admin and Support Networking, Database, Windows/Linux
* Maintain Web hosting and develop web applications
* Business Analysis and Project management
* Understanding different phases of a project, reviewing/understanding Statements of Work and design documents, and Stakeholder management
* Administer & support VMware ESXi
* Administer & support SAN & Fiber Channel Switch infrastructure
* Troubleshoot, administer and optimize Microsoft Windows servers
* Knowledge transfer & training
* Work with various service providers & vendors to troubleshoot and continually improve IT infrastructure.
* Research & implement new technologies
* Provide VMware training to team members

Project: Build Telecom Data Center

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

Project: Internet Service Network System Extension

Technology: Routers, Switches, Firewall, DNS, DHCP, FTTB (Fiber to the Building) +LAN, ADSL

Project: Automate Stop Internet Service for Net Bars in Mid Night

It is required by the government to limit the Internet Service for Net Bars to prevent children playing all night.

Technology: C#, Routers, Switches, Firewall, DNS, DHCP, FTTB (Fiber to the Building) +LAN, ADSL

Project: Telecom Billing System

It helped customer to query detailed bills online instead of Telecom Business Office.

Technology: SQL Server, IIS, SSRS, SSMS, SQL Server Profiler, Windows Server, Javascript, Python, C#

**EDUCATION:**

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