

Waqar Azeem

Systems Architect

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Professional Experience

Systems Architect, *i2c incorporated*

Aug 2012 – present

- **Hybrid cloud architect and administration**

- Engineering and supporting hybrid cloud setup **Linux** (RHEL/CentOS/Solaris) and **Virtualization** (Citrix Xen/VMware vSphere/RedHat KVM/Oracle VM)
- Public cloud infrastructure setup on **AWS, Azure** and **GCP**
- Designing highly available engineered systems, handling upgrades/patches to production appliances during agreed-upon maintenance slots
- Connecting Linux systems to **enterprise storage** along with advanced configurations using Dell EMC SAN/NAS (VNX, XtremIO, PowerMax, Unity, DataDomain) Storage, Brocade FC Switches (300/6505,6510)

- **Security & compliance**

- Implementation of **PCI DSS, SSAE18, and CIS** standards for Linux and Solaris
- Implementing **change management** for controlled deployments to ensure compliance and compatibility requirements of mission-critical OLTP systems
- Assist in implementing, executing, maintaining, and documenting proper **DR and BC**
- Hands-on experience in security systems, including firewalls, IPS/IDS, anti-virus software, patch management, authentication systems, log management, content filtering, etc.

- **CI-CD Automation**

- Implemented automatic configuration system (custom **Bash** scripts and **Puppet**) and system deployment with **RedHat Satellite**
- Setting up containerized applications with **Docker** and **Kubernetes** (k8s)
- Code versioning system implementation on **SVN** and **GIT**
- Automated deployments via **Jenkins** and **Ansible**

- **Networking**

- Intercepting TCP transactions and eliminating latency by tuning OS & network devices TCP/IP parameters
- Connecting Linux systems to TCP/IP networks, configuring, troubleshooting, tuning, etc
- Application load balancing with **F5 LTM** solutions and AWS **Route53** DNS

- **Monitoring**

- Centralized Network monitoring using **Nagios, Cacti, CloudWatch, OpenNMS, Dynatrace, and Xymon**

- **End-User Collaboration**

- Virtual Desktop Infrastructure (VDI) administration for support centers in North America using **Oracle SunRay** and **X2GO**
- Administration of **Zimbra** Collaboration Suite & Internal IM server **OpenFire**
- **Office365**, Cisco **ESA**, **AWS SES** setup, management, and troubleshooting for email delivery issues

System Administrator, *UET Lahore*


Oct 2009 – Jul 2012

- Management and troubleshooting of complete wired and wireless local area network. IT Support
- (Hardware/Software), for installation, configuration and maintenance of **DNS, Mail, Web, FTP, Cache, DHCP** and
- **Active Directory** Domain Servers to ensure 100% uptime

Education

Bachelor of Electrical Engineering,

Jul 2005 – Jul 2009 | Pakistan

University of Engineering and Technology, Lahore 

Certificates

Amazon Web Services Developer - Associate (7BF18YYK2E111V31),
Amazon Web Services SysOps Administrator - Associate (B6W11R8CCJ4EQPK3),
Red Hat Certified System Administrator (RHCSA) (170-249-726),
Amazon Web Services Solutions Architect - Associate (GXY9BG1KCN11Q19N),
VMware Certified Professional 6 - Data Center Virtualization (VCP6-DCV) (VMW-01779369Z-00542834),
Server Virtualization with Windows Server Hyper-V and System Center Specialist (E776-0757),
Oracle Certified Associate, Oracle Solaris 11 System Administrator (OC1240184),
VNX Solutions Specialist Exam for Storage Administrators (EMC00453433),
Oracle Certified Associate, Oracle Solaris 10 Operating System (OC1240184),
Information Storage and Management Exam Version 2 (EMC00453433),
Cisco Certified Network Associate Routing and Switching (CCNA) (CSCO12000954),
Microsoft Certified Technology Specialist Windows 7 Deployment and Administration (964398)

Organisations

ICANN, Fellow 	2011
IETF, Fellow 	2013

Interests

- Photography 
- Blogging 