

Shalom Bhooshi

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Infrastructure Automation

A skilled engineer with 10 years of practical experience in a wide variety of technologies and settings, most recently in test and infrastructure automation.

Core competencies include:

Network Design • Systems Administration • Scripting • Infrastructure Automation • Private Cloud/IaaS

Web Technologies • Defect Management • Continuous Integration • Windows • Linux

Professional Experience

Jul 2010 - Aug 2015 • Citrix Systems UK Ltd • Cambridge, United Kingdom

Citrix solutions power business mobility through secure, mobile workspaces that provide people with instant access to apps, desktops, data and communications on any device, over any network and cloud. With annual revenue in 2014 of \$3.14 billion, Citrix solutions are in use at more than 400,000 organizations and by over 100 million users globally.

Senior Software Engineer in Test, Quality Assurance, Enterprise Desktop and Apps.

Skills : CloudStack/CloudPlatform • XenServer/Hyper-V/ESX • Citrix XenDesktop • Windows Server 2008/2012/2016 • Windows XP/Vista/7/8/8.x/10 • SQL Server 2008/2012 • Debian/CentOS Linux • Puppetlabs Razor/iPXE • PowerShell • Perl, Bash, Ruby • Dell Compellent • HP StorageWorks • Cisco Nexus, 2960s/g/x • HP Proliant, Dell PowerEdge

- Designer/DevOps engineer of the private cloud (based on [Citrix CloudPlatform/XenServer](#)) used as a deployment platform to facilitate QA activities of 65+ internal teams.
- Involved in the design, development and provisioning of stock and bespoke dev/test environments for integration and regression testing using technologies across the stack (cloud resources, virtual machines, hypervisors, storage and networking, applications and profiles). This included the backend implementation of platforms for customer demos/roadshows e.g. [Citrix Summit/Synergy](#)
- Member of the core automation team whose remit it is to develop and support the internal test automation framework that underpins quality assurance strategies of the [Citrix Desktop and App virtualization](#) suites. My role within the team is the development lead for the Perl components of the framework to support Linux and Mac end-points.
- Other activities included support, triage and troubleshooting of, often complex, issues in infrastructure and test environments; application of agile methodologies to evolve both code and infrastructure, procurement and lifecycle maintenance of hardware and software, technical training.

May 2007 - Dec 2007 • Crystal Amusements Ltd • Leicester Square, London, United Kingdom

Support Engineer/Systems Administrator

Skills : Hardware/Software Administration and Troubleshooting, Staging and Rollouts, Network Administration - NetGear Switching, DHCP/DNS, Caching Proxies, Linux, Windows XP/2003, Customer Support.

- Responsible for the technical operations of 70+ internet kiosks, printers, scanners and fax solutions, etc.

Jan 2007 - May 2007 • **Sterling Limousines (UK) Ltd** • Richmond, Surrey, United Kingdom

LAMP Developer, Perl/Postgres

Skills : Perl, Apache, mod_perl, Postgresql 8, Debian Linux, XHTML, CSS, Prototype JS, Bash, Mercurial

- Developed an on-line bookings system for the company's website with view for integration with bespoke resource management software.
- Consolidated telephone, email and web bookings into a resource management database using Perl and Postgresql.

Aug 2002 - Oct 2006 • **Freelance IT Engineer** • Greater London Area, United Kingdom

IT Contractor

Skills : Enterprise workstation migrations, LAN Design and Implementation, Hardware/Software roll-outs, Single-Page websites/DTP, Windows XP/2003, Active Directory.

- Freelance engineer and developer of bespoke IT solutions providing support and consultancy for SOHO business (estate agents, solicitors, accountants, etc).

Technology Exposure

Scripting [Windows Powershell/.NET](#), [Bash/POSIX Shell](#), [Perl](#), [Ruby](#), [Python](#), [Javascript](#), [CSS](#)

Markup [JSON](#), [YAML](#), [HTML](#), [XHTML](#), [XML](#)

Programming [Java](#), [C](#), [Makefiles](#)

Operating Systems [GNU/Linux \(Debian/Ubuntu, RHEL/CentOS, SuSe/OpenSuSe\)](#), [Microsoft Windows Server 2003/2008/2012/2016](#), [Windows XP/7/8/8.x/10](#), [Unix \(FreeBSD & OpenSolaris\)](#), [OS X](#)

Virtualization / Containerization [Citrix XenServer](#), [Microsoft Hyper-V](#), [Oracle VirtualBox](#), [VMWare ESX/vSphere](#), [docker](#), [QEMU](#)

Cloud [Apache Cloudstack](#), [Citrix CloudPlatform](#), [Amazon EC2/AWS](#), [Microsoft Azure](#), [ExoScale](#)

NoSQL / Search [Elasticsearch](#), [CouchDB](#)

Databases [MySQL 5](#), [Postgres 8/9](#), [Oracle 11g](#), [SQLite 3](#), [Microsoft SQL Server 2008/2012](#)

Networking [TCP/IP \(IPv4 & IPv6\)](#), [Routing & Switching](#), [Design & Optimization](#), [DNS \(ISC Bind 9, Microsoft DNS Server\)](#), [DHCP \(ISC dhcpcd, Microsoft DHCP Server\)](#), [LDAP \(OpenLDAP, Microsoft Active Directory\)](#), [VPNs](#), [WireShark/tcpdump](#), [Cisco Routing & Switching](#), [Citrix NetScaler](#)

Monitoring [Syslog](#), [SNMP](#), [Graylog](#), [Nagios](#), [Cacti](#), [LogStash](#), [WMI](#), [Collectd](#)

Provisioning [Puppetlabs razor](#), [PXE/iPXE](#), [kickstart](#), [preseed](#), [WinPE](#), [autoyast](#), [vagrant](#)

Config. Mgmt [PowerShell DSC](#), [Puppet](#), [Chef](#), [SSH](#)

Source Control [Perforce](#), [git](#), [diff/patch](#), [Mercurial/CVS](#), [Jenkins](#), [Checkinstall](#)

Storage [Dell Compellent](#), [NetApp](#), [Software Defined Storage \(Nexenta, QuadStor\)](#)

Hardware [Dell PowerEdge](#), [HP ProLiant/BladeSystem](#)

Web [Apache httpd](#), [Dancer2](#), [PSGI/Plack](#), [SOA](#), [REST](#)

Education

Sep 2008 - May 2010 **BSc, Computer Networks** (1:1, First Class Honours), [Sheffield Hallam University](#), Sheffield, England

Jul 2000 - Mar 2001 **BSc (Hons.) Computer Science, Mathematics, Physics** (Discontinued), [St. Joseph's College of Science and Arts](#), Bangalore, India

Courses and Qualifications

- [Citrix NetScaler - Essentials, Networking and Administration](#), Jun 2012
 - [Building Scalable Cisco Internetworks \(CCNP BSCI\)](#), Feb 2004
 - [Implementing & Administering a Microsoft Windows 2000 Directory Services Infrastructure](#), Apr 2003
 - [Implementing & Administering a Microsoft Windows 2000 Network Infrastructure](#), Apr 2003
 - [Cisco Certified Network Associate \(CCNA\)](#), Mar 2003
 - [Administering Windows 2000 Server](#), Microsoft Certified Professional (MCP) Mar 2003
 - [Administering Windows 2000 Professional](#), Microsoft Certified Professional (MCP) Mar 2003
 - [Network Infrastructure Administration, CompTIA® Network+ Certified Professional](#), Feb 2003
 - [Hardware and Software Essentials, CompTIA® A+ Certified Professional](#), Nov 2002
 - Advanced Java, Network Programming using EJB, Servlets/RMI, JDBC/SQL, Jul 2001
 - Web Design using Microsoft FrontPage 2000, HTML, VBScript and Javascript, Jan 2001
 - Procedural Programming with ANSI C, May 1999
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Professional Membership

Jul 2010 - Present [The Institution of Engineering and Technology \(IET\)](#) (Graduate Member)

Dec 2008 - Present [British Computer Society \(BCS\)](#) (Member)

Jan 2008 - Present [Microsoft IT Advisory Council \(ITAC\)](#) (Member)

Languages

English (Fluent), French (Limited Working Proficiency), Slovak (Basic)

Hobbies and Interests

Hiking & the Outdoors • Music & playing the guitar • Badminton • Amateur Photography • Hacking [Debian GNU/Linux](#) for fun

Personal Details

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