Shalom Bhooshi

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A software-centric systems engineer with 15 years experience and background in agile delivery of infrastructure projects in various business settings. I seek a role in a progressive organization that employs cloud and modern open-source technologies with agile and devops practices to innovate and advance business.

### Core Competencies

* Software Engineering through Infrastructure-as-Code for Infrastructure, Tooling and Automation
* Site Reliability Engineering practices for business excellence and customer satisfaction
* Application of Agile Methodologies and Dev(Sec|Test)Ops to realize Continuous Delivery
* Use of Cloud-Native paradigms and technologies to engineer Service Agility and Reliability
* Solution Design and Implementation with Big Picture Thinking and Design for Iteration
* Results-Oriented attitude using Initiative, Organization, Communication and Teamwork

### Technical Skills

Cloud Platforms

[Canonical Openstack](https://www.ubuntu.com/openstack), [Amazon ec2](https://aws.amazon.com/ec2/)/[AWS](https://aws.amazon.com/), [Apache Cloudstack](http://cloudstack.apache.org/), [Google Cloud](https://cloud.google.com/)

Operating Systems

[Debian](http://www.debian.org/)/[Ubuntu](http://www.ubuntu.com/)/[CentOS](https://www.centos.org/) [Linux](https://linux.org/), [Windows Server 2003-2016](https://en.wikipedia.org/wiki/Windows_Server#Members), [FreeBSD 9+](http://www.freebsd.org/)

Scripting Languages

[Python](https://www.python.org/), [Bash](https://www.gnu.org/software/bash/)/[POSIX Shell](http://pubs.opengroup.org/onlinepubs/009695399/utilities/xcu_chap02.html), [Golang](https://www.golang.org/), [Ruby](https://www.ruby-lang.org/en/), [Perl](https://www.perl.org/), [Powershell](https://en.wikipedia.org/wiki/Windows_PowerShell)/[.NET](http://www.microsoft.com/net), [Raku](https://www.raku.org)

Configuration

[Jinja2](https://jinja.palletsprojects.com/en/2.11.x/), [ERB](https://puppet.com/docs/puppet/5.5/lang_template_erb.html), [YAML](http://yaml.org/), [JSON](http://json.org/), [JSON Schema](https://json-schema.org/), [JSON Path](https://goessner.net/articles/JsonPath/), [TOML](https://github.com/toml-lang/toml), [XML](http://www.w3.org/XML/)

IaC

[git](https://git-scm.com/), [Github](https://github.com/), [Ansible](http://www.ansible.com/), [Terraform](https://www.terraform.io/), [Makefiles](https://www.gnu.org/software/make/), [GitOps](https://www.weave.works/technologies/gitops/), [StackStorm](https://stackstorm.com/)

CI/CD

[Gitlab CI](https://docs.gitlab.com/ee/ci/quick_start/), [Gitlab Runners](https://docs.gitlab.com/runner/), [Travis CI](https://travis-ci.org/), [JFrog Artifactory](https://jfrog.com/artifactory/), [Jenkins](https://wiki.jenkins-ci.org/display/JENKINS/Meet+Jenkins)

Containers

[docker](https://www.docker.com/), [docker-compose](https://docs.docker.com/compose/), [Kubernetes](https://kubernetes.io/), [Consul](https://www.consul.io/)

Observability

[Prometheus](https://prometheus.io/), [Grafana](https://grafana.com/), [Graylog2](https://www.graylog.org/), [Icinga2](https://www.icinga.com/products/icinga-2/)/[CheckMK](https://checkmk.com/), [New Relic](http://newrelic.com/), [Airbrake](https://airbrake.io/), [Cacti](http://www.cacti.net/)

Web

[nginx](http://nginx.org/en/), [Apache](http://httpd.apache.org/), [Cloudflare](https://www.cloudflare.com/), [Citrix NetScaler](https://www.citrix.com/products/netscaler), [Python Flask](https://www.fullstackpython.com/flask.html), [REST](https://en.wikipedia.org/wiki/REST), [SOA](https://en.wikipedia.org/wiki/Service-oriented_architecture)

Databases

[Postgres 9+](http://www.postgresql.org/), [MariaDB](http://mariadb.org/) 10/[MySQL](http://www.mysql.com/why-mysql/) 5+, [Elasticsearch](https://www.elastic.co/), [CouchDB](http://couchdb.apache.org/), [Redis](https://redis.io/), [SQLite 3](http://sqlite.org/)

Networking

[TCP/IP](https://en.wikipedia.org/wiki/Internet_protocol_suite) (IPv4 & IPv6), [DNS](https://en.wikipedia.org/wiki/Domain_Name_System), [VPC](https://aws.amazon.com/vpc/)/[Network Design](https://en.wikipedia.org/wiki/Network_planning_and_design), [VPNs](https://en.wikipedia.org/wiki/Virtual_private_network), [L4/L7 Load-Balancing](https://loadbalancerblog.com/blog/2013/04/what-heck-layer-7-load-balancing-anyway)

Virtualization

[Citrix XenServer](http://xenserver.org/), [KVM](https://wiki.debian.org/KVM), [Xen](http://www.xenproject.org/), [Microsoft Hyper-V](http://www.microsoft.com/en-us/server-cloud/solutions/virtualization.aspx)

Hardware

Dell [PowerEdge](http://www.dell.com/us/business/p/poweredge-rack-servers), HP [Proliant](http://www8.hp.com/us/en/products/proliant-servers/), HP [BladeSystem](http://www8.hp.com/us/en/products/servers/bladesystem/)

Storage

NFS, iSCSI, [Swift](https://wiki.openstack.org/wiki/Swift)/[S3](https://aws.amazon.com/s3/), Dell [Compellent](http://www.dell.com/us/business/p/dell-compellent), [NetApp](http://www.netapp.com/us/products/storage-systems/), [HP StorageWorks](http://www8.hp.com/h20195/v2/GetHTML.aspx?docname=c04168365)

Other

See my [StackOverflow Developer Story](https://stackoverflow.com/story/shalombhooshi) for [assessments](https://app.pluralsight.com/profile/shalom-bhooshi) and [opensource work](https://github.com/shalomb?tab=repositories).

### Professional Experience

Aug 2017 → Present

[Deutsche Telekom Pan-Net](https://www.telekom.com/en/media/details/the-pan-european-network-pan-net--442220) ◦ Bratislava, Slovakia

[pan-net.cloud](https://portal.pan-net.cloud/) provides a pan-european cloud platform and infrastructure services to partners and affiliates in the wider [Deutsche Telekom](https://www.telekom.com/en/company) group. Providing a platform for specialised Network Technology Services (Voice, Video & Data) and general-purpose IT/Cloud-Native workloads, Pan-Net uses best-of-breed cloud technologies to support backend IaaS/PaaS/SaaS for the Deutsche Telecom product lines.

Jun 2019 → Present

Technical Lead/Cloud Infrastructure Engineer, IT PaaS, Pan-Net Cloud

Skills & Experience

Product/Technology Ownership, Backlog Management, Scrumban, DevOps, CI/CD/CT, Openstack, Terraform, Ansible, Gitlab, Golang, Python, Prometheus

* As a Technical Lead: Working closely with Product Owners and peers across units - Agile product roadmap alignment, breakdown of business requirements into user/job stories in product backlogs, technical solution research & development, sprint scheduling, solution reviews.
* As an Infrastructure Engineer: Participating in team scrums to develop, deliver and advance PaaS offerings in an *aaS* fashion to complement and enrich the Openstack IaaS (e.g. DBaaS, LBaaS, FaaS, Big Data/NoSQL, Service Monitoring, Log Management, Data Archival, Disaster Recovery).
* As part of the technology community: Participating in design thinking workshops, production campuses. Engaging customers & partners. Presenting technology, knowledge sharing.

Feb 2018 → May 2019

Cloud Infrastructure Engineer, NFVI CI/CD, Pan-Net NFVI

Skills & Experience

Agile Release Trains, Delivery Pipelines, DevOps, Gitlab CI, Artifactory, Openstack, Docker, Ansible, Linux, Terraform, Python, goss, Prometheus, Grafana

* Member of the team tasked with the design, implementation and DevOps of distributed highly-available CI/CD/CT services (i.e. Gitlab CI/CD, Job Runners, Binary Repositories, Library Code) that sustain the IaC and Continuous Delivery activities of Pan-Net platform services.
* Supporting service delivery teams in consultation and design of CI/CD pipelines, git branching and release models, Dev(Sec|Test)Ops processes, Application Lifecycle & Orchestration.

Aug 2017 → Jan 2018

Cloud Infrastructure Engineer, NFVI Application Orchestration, Pan-Net NFVI

Skills & Experience

Openstack, OpenContrail, Linux, Ansible, Python, OASIS TOSCA, StackStorm

* Part of team tasked with developing the Pan-Net VNF Orchestration engines and best-practices around VNF Lifecycle Management (Instantiation, Upgrades, Auto-Healing, Scale in/out, etc).
* Participating in product design workshops, scrum & sprint activities. Designing VNF orchestration solutions and automation worklows on OpenStack, CI/CD, systems testing, releases.

Oct 2015 → Jun 2017

[Box+Dice](https://boxdice.com.au) (BDSK) ◦ Bratislava, Slovakia

[Box+Dice](https://boxdice.com.au) provide a SaaS/CRM platform for businesses in the Australian & New Zealand real estate sector to manage property portfolios, marketing and lead management, sales and accounting, portal integrations, etc in realtime. With 250+ businesses as clients across the Oceania region, Box+Dice harnesses in-house and customer domain expertise to deliver tailored SaaS services.

Oct 2015 → Jun 2017

Senior Systems Engineer, Site Reliability Engineering

Skills & Experience

Amazon AWS, Project Planning, SRE, DevSecOps, Jira, Mentoring, Ansible, Terraform, bash, Python, Ruby, Cloudflare, Linux, Postgres, MariaDB, Elasticsearch

* Lead systems engineer managing DevOps and Site Reliability Engineering across polar opposite timezones (Bratislava/Kiev vs Melbourne/Wellington): systems analysis, infrastructure design and development, improving production deployments and platform availability.
* Delivering on projects to modernize infrastructure: *Lift-and-shift* platform to public cloud (AWS), improving cloud integration & efficiency/scalability, improving technical security and operations.
* Working on cross-functional efforts with Product Development, Quality Engineering and Product Support: Improving DevOps operating procedures, CI/CD, QA, communications.
* Involved in defining and project managing systems strategy, participating in executive committee decision making, customer technical support, cost management, hiring, mentoring.

Jul 2010 → Aug 2015

[Citrix Systems UK Ltd](https://www.citrix.com/) ◦ Cambridge, United Kingdom

[Citrix](https://www.citrix.com/) solutions power business mobility through secure, mobile workspaces that provide people with instant access to apps, desktops, data and communications. 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.

Oct 2013 → Aug 2015

Senior Software Test Engineer, [Engineering Productivity](https://landing.google.com/engprod/), [Enterprise Desktop and Applications](https://www.citrix.com/products/xenapp-xendesktop/)

Skills & Experience

IaaS, Cloud Architecture, Network Design, Enterprise Software Testing, DevOps, Teamwork, Mentoring, Virtualization, CloudStack, XenServer, PowerShell/.NET, Perl, Python, Ruby, Linux, Windows Server, WDS, CouchDB, Icinga, Puppet

* Systems Architect/DevOps Engineer of a self-service IaaS cloud ([Apache CloudStack](https://cloudstack.apache.org/)/[XenServer](https://www.citrix.com/products/xenserver/)) supporting ad-hoc and Continuous Testing activities of 65+ internal engineering teams.
* Solving push-button provisioning of Citrix VDI (Virtual Desktop Infrastructure) test environments on Cloud and Virtualization Backends (Xenserver, ESX, Hyper-v, Azure), Improving QA self-service capabilities, enriching cloud offerings through automation, VM image creation/cataloguing, etc.
* Member of the core automation team stewarding test automation frameworks and test library code underpinning QA strategies of the [Citrix Desktop and App virtualization](https://www.citrix.com/solutions/desktop-virtualization/overview.html) suites. Lead developer of perl components to support testing Mac and Linux/Unix end-points.
* Refining agile practices for code and test infrastructure evolution. Setting up backend infrastructure for [Citrix Summit](http://www.citrixsummit.com/). Hardware procurement and maintenance, vendor relations. Technical training/mentoring.

Apr 2012 → Oct 2013

Associate Software Test Engineer, [Engineering Productivity](https://landing.google.com/engprod/), [Enterprise Desktop and Applications](https://www.citrix.com/products/xenapp-xendesktop/)

Jul 2010 → Apr 2012

Software Test Engineer, Test Automation, [XenDesktop Engineering](https://www.citrix.com/products/xenapp-xendesktop/).

May 2007 → Dec 2007

Crystal Amusements (UK) Ltd ◦ London, United Kingdom

Systems Engineer

Windows, JScript/WSH, TCP/IP Routing/Switching, Network Reliability/Security

Jan 2007 → May 2007

[Sterling Limousines (UK) Ltd](http://sterlinglimousines.co.uk/) ◦ Richmond, Surrey, United Kingdom

LAMP Developer

Perl, PrototypeJS, Apache/mod\_perl, Postgresql, Linux, Windows Server 2003

Aug 2002 → Oct 2006

Freelance IT Engineer ◦ Greater London Area, United Kingdom

IT Contractor

Office LAN Design, Web Design & Mastering, Linux, Windows Workstation/Server, Microsoft Office, TCP/IP Routing/Switching, Apache/IIS, Perl, VBScript/Excel

### Education

Sep 2008 → May 2010

[BSc (Hons.) Computer Networks](https://www.shu.ac.uk/search-results?q=computer+networks), [Sheffield Hallam University](https://www.shu.ac.uk/), Sheffield, England (1:1, First Class Honours)

Jul 2000 → Mar 2001

BSc (Hons.), Computer Science, Mathematics, Physics, French, English Literature, [St. Joseph’s College of Science and Arts](http://www.sjc.ac.in), Bangalore, India (Discontinued)

### Training and Qualifications

* Certified Kubernetes Administrator, *Currently Training to Certify*
* [Docker + Kubernetes Administration](https://www.componentsoft.io/educationalservices/openstack-docker-puppet-xen-and-kvm/kbs-105-docker-kubernetes-administration-accelerated-training/), May 2018
* [OpenStack Deployment and Advanced Administration](https://www.componentsoft.io/educationalservices/openstack-docker-puppet-xen-and-kvm/ost-204-openstack-advanced-administration-extended/), Feb 2018
* [OpenStack Administration](https://www.componentsoft.io/educationalservices/openstack-docker-puppet-xen-and-kvm/openstack-private-cloud-workshop-extended-ost-104/), Sep 2017
* [Citrix NetScaler Essentials, Networking and Administration](http://training.citrix.com/mod/ctxcatalog/course.php?id=497), Jun 2012
* [Building Scalable Cisco Internetworks (CCNP BSCI)](https://www.cbtnuggets.com/it-training/cisco-642-901-ccnp-bsci), Feb 2004
* [Cisco Certified Network Associate (CCNA)](http://www.cisco.com/web/learning/exams/list/ccna_composite.html#~Topics), Mar 2003
* [Implementing & Administering a Microsoft Windows 2000 Directory Services Infrastructure](https://web.archive.org/web/20081222080658/http://www.microsoft.com/learning/en/us/exams/70-217.mspx#EHE), Apr 2003
* [Implementing & Administering a Microsoft Windows 2000 Network Infrastructure](https://web.archive.org/web/20141221185633/https://www.microsoft.com/learning/en/us/exams/70-216.mspx#E3E), Apr 2003

### Professional Membership

Jul 2010 → Present

[The Institution of Engineering and Technology (IET)](https://www.theiet.org/) (Graduate Member)

Dec 2008 → Present

[British Computer Society (BCS)](https://bcs.org) (Member)

Jan 2008 → May 2012

[Microsoft IT Advisory Council (ITAC)](https://microsoft-itcouncil.com/) (Member)

### Spoken Languages

English (Native), Slovak (Basic Vernacular), French (High School)

### Hobbies and Interests

Fatherhood ◦ Cycling, Running, Outdoors ◦ Guitar, Music ◦ [Raku Community](https://www.raku.org/) ◦ Raspberry Pi Hacks

### Personal Details

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Address

[Tučkova 9, Ružinov II, Bratislava 82105, Slovakia](https://www.google.co.uk/maps?q=Tuckova+9,+Bratislava,+82105)

Date of birth

[08 Jan, 1983](https://takemeback.to/08-January-1983) (♑︎)

Nationality

British

Online

[CV](http://shalomb.github.io/cv/) । [Developer Story](https://stackoverflow.com/story/shalombhooshi) । [PluralSight](https://app.pluralsight.com/profile/shalom-bhooshi) । [Github](https://github.com/shalomb/) । [LinkedIn](https://uk.linkedin.com/in/shalombhooshi) । [Keybase](https://keybase.io/shalomb) । [GC3.2](https://mj.ucw.cz/geek/?code=GCM%2fCS%2fIT%2fE%2fMU%2fP%2fO+d--+s%3a%2b%2b+a+C%2b%2b(%2b%2b%2b%2b)+UL+L%2b%2b+P%2b%2b+E---+W%2b%2b(-)+N%2b+o-+K%2b%2b%2b+w---+O-+M%2b+V--+PS%2b%2b+PE%2b+!Y%2b+PGP%2b%2b+t%2b+5%3f+X%2b%2b+!R+TV%2b+b+DI%2b%2b+D%2b+G%2b%2b+e%2b%2b+h--+r%2b%2b%2b+y%2b%2b%2b)

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