Shalom Bhooshi

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An adept Systems/SRE/DevOps engineer with a background in the agile delivery of IT platforms and services. Being software-inclined, I subscribe to software-defined everything principles in building and operating reliable yet flexible solutions. I seek a progressive role in an agile work setting that embraces cloud-native and open-source technologies to innovate and advance business.

### Core Competencies

* Software-engineering approach to managing systems for IT Infrastructure, Platforms and Tooling
* Application of Agile and DevOps practices for Continuous Delivery of projects
* Cloud & Site Reliability Engineering know-how for continuous improvement of operations
* Agile Project Delivery using Initiative, Communication, Teamwork and Pragmatism

### 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/)

AWS

VPC, EC2, EBS, ELB, VPN, Route53, Cloudfront, Cloudwatch, S3, Glacier

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), [Go](https://www.golang.org/), [Ruby](https://www.ruby-lang.org/en/), [Powershell](https://en.wikipedia.org/wiki/Windows_PowerShell), [Perl](https://www.perl.org/), [Raku](https://www.raku.org)

Containers

[docker](https://www.docker.com/), [docker-compose](https://docs.docker.com/compose/), [Kubernetes](https://kubernetes.io/)/[k3s](https://k3s.io/), [Consul](https://www.consul.io/), [Istio](https://istio.io/)\*

IaC

[Ansible](http://www.ansible.com/), [Terraform](https://www.terraform.io/), [goss](https://github.com/aelsabbahy/goss), [Make](https://www.gnu.org/software/make/), [CheckInstall](https://wiki.debian.org/CheckInstall), [Chef](https://chef.io/)

CI/CD

[git](https://git-scm.com/), [Github](https://github.com/), [Gitlab CI](https://docs.gitlab.com/ee/ci/quick_start/)/[Runners](https://docs.gitlab.com/runner/), [Travis CI](https://travis-ci.org/), [Scrutinizer CI](https://scrutinizer-ci.com/), [JFrog Artifactory](https://jfrog.com/artifactory/)

Observability

[Prometheus](https://prometheus.io/), [Grafana](https://grafana.com/), [Graylog2](https://www.graylog.org/), [CloudWatch](https://aws.amazon.com/cloudwatch/), [New Relic](http://newrelic.com/), [Airbrake](https://airbrake.io/)

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), [HTTP](https://en.wikipedia.org/wiki/HTTP), [REST](https://en.wikipedia.org/wiki/REST)

Databases

[Postgres](http://www.postgresql.org/), [MariaDB](http://mariadb.org/), [Elasticsearch](https://www.elastic.co/), [CouchDB](http://couchdb.apache.org/), [Redis](https://redis.io/), [SQLite](http://sqlite.org/)

Networking

[TCP/IP](https://en.wikipedia.org/wiki/Internet_protocol_suite) - [IPv4](https://en.wikipedia.org/wiki/IPv4) & [IPv6](https://en.wikipedia.org/wiki/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)

Other

Also see my [Developer Story](https://stackoverflow.com/story/shalombhooshi) for [self-assessments](https://app.pluralsight.com/profile/shalom-bhooshi), [opensource work](https://github.com/shalomb?tab=repositories), etc.

### 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. Being both a platform for specialised Network Technology Services (Voice, Video & Data) and general-purpose/IT cloud workloads, Pan-Net uses best-of-breed cloud technologies to help evolve the group’s product lines.

Jun 2019 → Present

Cloud Infrastructure Engineer/Technical Lead, 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 an Infrastructure Engineer: Participating in team scrums to develop, deliver and advance PaaS offerings in an *aaS* fashion to enrich and advance the Pan-Net platform (e.g. DBaaS, LBaaS, Service Monitoring, Log & Event Management, Data Archival, Disaster Recovery, etc).
* As a Technical Lead: PaaS architecture definition, agile roadmap alignment, dependency management, backlog prioritization, sprint scheduling, solution exploration/review.
* 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 DevOps, Pan-Net NFVI

Skills & Experience

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

* DevOps of CI/CD/CT services (i.e. Gitlab CI/Runners, Binary Repositories, CI/CD Pipeline Best-Practices, Library Code) to sustain IaC and Continuous Delivery activities of the Pan-Net platform.
* Consultation and design of VNF service delivery CI/CD pipelines, branching and release models.

Aug 2017 → Jan 2018

Cloud Infrastructure Engineer, Application Orchestration, Pan-Net NFVI

Skills & Experience

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

* Development of VNF Orchestrator and practices for VNF Onboarding and Lifecycle Management.

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 and 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 AWS, improving cloud integrations & efficiency, 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, incident/RCA transparency.
* 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.

Position

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

Skills & Experience

Citrix, IaaS, Cloud Architecture, Virtualization, Network Design, Enterprise Software Testing, Automation, CloudStack, XenServer, PowerShell, Perl, Python

* Systems Engineer/DevOps of self-service tests-as-a-service cloud platform to support the ad-hoc test, QA and Continuous Testing activities of 65+ internal engineering teams.
* Solving and automating push-button provisioning of Citrix VDI test environments on multiple Cloud and Virtualization Backends, 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 wider 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.

Aug 2002 → Dec 2007

Greater London Area, United Kingdom

IT Freelancer

Web development/mastering, Office IT network solutions & support

Skills & Experience

Linux, Bash/Shell, Perl/mod\_perl, PHP, Apache, Postgres/MySQL, PrototypeJS, Small-business IT network design/support, Document/WebPage design

### Education

Sep 2008 → May 2010

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

### Training and Qualifications

* [Certified Kubernetes Administrator (CKA) 2020](https://training.linuxfoundation.org/cka-program-changes-2020/), *Currently Training*
* [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 Bootcamp](https://www.componentsoft.io/educationalservices/openstack-docker-puppet-xen-and-kvm/openstack-private-cloud-workshop-extended-ost-104/), Sep 2017
* [Citrix NetScaler ADC 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 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 Network Infrastructure](https://web.archive.org/web/20141221185633/https://www.microsoft.com/learning/en/us/exams/70-216.mspx#E3E), Apr 2003

### Spoken Languages

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

### Hobbies and Interests

Fatherhood ◦ Cycling, Outdoors ◦ Guitar, Music ◦ [hackernews](https://news.ycombinator.com/) ◦ [Raku Community](https://www.raku.org/)

### 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

[8ᵗʰ Jan, 1983](https://takemeback.to/08-January-1983)

Nationality

British

Residentship

Slovak Permanent Residentship

Links

[shalomb.id](http://shalomb.id/) । [LinkedIn](https://uk.linkedin.com/in/shalombhooshi) । [Github](https://github.com/shalomb/) । [Developer Story](https://stackoverflow.com/story/shalombhooshi) । [Keybase](https://keybase.io/shalomb)

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Other Versions

[Online](https://shalomb.id/cv/), [Microsoft Word](https://shalomb.id/cv/cv.docx), [OpenDocument Text](https://shalomb.id/cv/cv.odt)

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