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, Amazon ec2/AWS, Apache Cloudstack, Google Cloud

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

Scripting Languages
    Python, Bash/POSIX Shell, Go, Ruby, Powershell, Perl, Raku

Containers
    docker, docker-compose, Kubernetes/k3s, Consul, Istio*

IaC
    Ansible, Terraform, goss, Make, CheckInstall, Chef

CI/CD
    git, Github, Gitlab CI/Runners, Travis CI, Scrutinizer CI, JFrog Artifactory

Observability
    Prometheus, Grafana, Graylog2, CloudWatch, New Relic, Airbrake

Web
    nginx, Apache, Cloudflare, Citrix NetScaler, Python Flask, HTTP, REST

Databases
    Postgres, MariaDB, Elasticsearch, CouchDB, Redis, SQLite

Networking
    TCP/IP - IPv4 & IPv6, DNS, VPC/Network Design, VPNs, L4-L7 Load-Balancing

Other
    Also see my Developer Story for self-assessments, opensource work, etc.

Professional Experience

Aug 2017 → Present
    Deutsche Telekom Pan-Net ◦ Bratislava, Slovakia

pan-net.cloud provides a pan-european cloud platform and infrastructure services to partners and affiliates in the wider Deutsche Telekom 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 (BDSK) ◦ Bratislava, Slovakia

Box+Dice 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 ◦ Cambridge, United Kingdom

Citrix 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, Desktop and Apps
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 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. 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

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Education

Sep 2008 → May 2010
    BSc (1:1, Hons.) Computer Networks, Sheffield Hallam University, Sheffield

Training and Qualifications

- Certified Kubernetes Administrator (CKA) 2020, *Currently Training*
- Docker + Kubernetes Administration, May 2018
- OpenStack Deployment and Advanced Administration, Feb 2018
- OpenStack Administration Bootcamp, Sep 2017
- Citrix NetScaler ADC Essentials, Networking and Administration, Jun 2012
- Building Scalable Cisco Internetworks (CCNP BSCI), Feb 2004
- Cisco Certified Network Associate (CCNA), Mar 2003
- Implementing & Administering a Microsoft Directory Services Infrastructure, Apr 2003
- Implementing & Administering a Microsoft Network Infrastructure, Apr 2003

Spoken Languages

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

Hobbies and Interests

Fatherhood ◦ Cycling, Outdoors ◦ Guitar, Music ◦ hackernews ◦ Raku Community

Personal Details

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