

DHARMIT SHAH

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SUMMARY

Infrastructure Software Engineer experienced in engineering (10 years), technical support (2.5 years), and user-facing roles (4 years); focusing on getting into the depths of Go & Kubernetes. Also working on improving CS fundamentals.

SKILLS

Primary Go, Linux, Kubernetes, Virtualization, Writing
Secondary Python, Bazel, Ansible, Terraform, LaTeX

I AM PROUD OF

- Impactful contributions despite of constant team rotation every 3 months - *SUSE*
- [End-to-end work](#) on hook sidecar ConfigMap feature on an entirely new code base - *Red Hat*
- [odo dev](#), concurrency ([1](#), [2](#), [3](#)) to improve `odo logs` performance, lead [documentation effort](#). Created 12 videos for enablement of Technical Support, opened 18 bugs in the process, and received an award for the same - *Red Hat*
- Presented [CentOS Container Pipeline Service](#) in conferences and architected its v2 based on OpenShift 3 - *Red Hat*
- Mentored students who are now engineers at Red Hat, SUSE, Oracle, Intel, etc. References available on request.

EXPERIENCE

Senior Software Engineer, SUSE

Apr 2024- Present

- Continuous rotation between various components to understand each; 3 months per team
- Webhook to [prevent deletion of namespace and cluster](#)
- Fixed bugs ([1](#), [2](#)) in Cluster API Provider RKE2 and improved its docs ([3](#), [4](#), [5](#))
- Modify Helm charts to enable features ([option to set fluentd log level](#)) and fix bugs ([network policy for RKE2](#))
- [Documentation for Telegram receiver](#) for Alerting
- Full list of pull requests can be found [here](#)
- Stack: Go, Rancher, Helm

Senior Software Engineer, Red Hat

Oct 2015 - Mar 2024

- Developer on the [KubeVirt](#) team *Dec 2022 - Present*
 - End-to-end implementation and delivery for [ConfigMap support in hook sidecar](#)
 - Limiting [number of goroutines](#) in `oc must-gather` to prevent system from getting overwhelmed
 - Full list of contributions to KubeVirt can be found [here](#)
 - Stack: Go, KubeVirt
- Developer and Team Lead for the [odo project](#) *Apr 2019 - Dec 2022*
 - Go CLI to deploy apps on k8s; extensively used concurrency primitives.
 - Team Lead between Nov 2020 - Dec 2021
 - Lead the documentation effort: ([website](#))
 - Lead the effort to educate support team about the tooling.
 - Stack: Go, [spf13/cobra](#) (CLI framework); goroutines, mutexes, `sync/atomic` (concurrency)
- Developer and Architect for [CentOS Container Pipeline](#) project *Mar 2016 - Apr 2019*
 - Service written in Python and deployed on OpenShift using Ansible

- Lead the architectural effort to move to OpenShift
- Stack: Python; Ansible & OpenShift (deployment); Jenkins Pipelines (build orchestration), beanstalkd (message queue); Prometheus & Grafana (monitoring)

DevOps Engineer, Ishi Systems

Jul 2015 - Oct 2015

- Evaluate Apache Mesos on AWS using Terraform for application deployment
- Stack: Apache Mesos, [Marathon](#), [Chronos](#), AWS, Terraform, Ansible

Software Engineer, Aubergine

Dec 2014 - Jul 2015

- Backend developer for the [Cubii mobile app](#)
- Design, develop and deploy the APIs
- Stack: [Django Rest Framework](#), Celery, AWS

Associate Software Engineer, Red Hat

Jun 2014 - Nov 2014

- Worked on the ISV Certification team, and developed Dockerfile linter in Python

Associate Technical Support Engineer, Red Hat

Apr 2012- Jun 2014

- Technical support cases for Linux, Virtualization and OpenStack platforms
- Front-line engineer, worked on call support

Linux Administrator, Global SMS Networks

Dec 2011 - Mar 2012

- Setup firewall rules using iptables; admin for Web, FTP, Mail servers.

IT Engineer, CMC Ltd.

Aug 2010 - Aug 2011

- Setup Oracle 10 rg2 on RHEL5.5; requirement gathering from the client.

EDUCATION

Bachelor of Engineering, Information Technology
Sardar Patel University, Anand

2006 - 2010

AWARDS & CERTIFICATIONS

Red Hat Developer Impact Award

Dec 2019

Awarded for using the tool from a user's perspective, creating learning material for Technical Support team, and opening numerous bugs in the process

[Certified Kubernetes Administrator](#)

Nov 2020 - Nov 2023

[Certified Kubernetes Application Developer](#)

Nov 2020 - Nov 2023

CONFERENCE TALKS

- [DevConf.CZ 2018](#) at Brno, Czech Republic
- [CentOS Dojo 2019](#) at Brussels, Belgium
- [DevConf.CZ 2019](#) at Brno, Czech Republic

COMMUNITY & MENTORING

- Lead of [Kubernetes](#), [Go](#) and [Docker](#) meetup chapters in Ahmedabad
- Mentored undergraduate students in Linux & Python (references available on request)