

# DHARMIT SHAH

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## SUMMARY

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Senior Software Engineer experienced in engineering, technical support, and user-facing roles with proven record of starting contributions on new projects quickly. Eager to leverage extensive experience in Go & Kubernetes to solve complex challenges. Working on improving CS fundamentals (currently reading [OSTEP](#)).

## SKILLS

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**Primary**            Go, Linux, Kubernetes (OpenShift, Rancher), Virtualization, Writing  
**Secondary**        Python, Bazel, Ansible, Terraform, LaTeX, Jenkins, Apache Mesos

## HIGHLIGHTS

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- Impactful contributions in spite of team rotation every 3 months (contributions [here](#)) - *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 (12s to 1.5s), 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

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### Senior Software Engineer, SUSE

**Apr 2024- Present**

- Developed a 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](#)
- Continuous rotation between various components to understand each; 3 months per team
- Stack: Go, Rancher, Helm

### Senior Software Engineer, Red Hat

**Oct 2015 - Mar 2024**

- Developer on the [KubeVirt](#) team *Dec 2022 - Present*
  - Delivered end-to-end [ConfigMap support for hook sidecars](#), enabling more flexible configuration injection for developers.
  - 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, thus moving the service into a single platform
- 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**

#### [Certified Kubernetes Application Developer](#)

**Nov 2020**

### **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)