

# DHARMIT SHAH

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## SUMMARY

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Software Engineer working in open source domain. Experienced in engineering (9 years), technical support (2.5 years), and user-facing roles (4 years); now focusing on getting into the depths of Go & Kubernetes. I have been working remotely since October 2015.

## SKILLS

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

## I AM PROUD OF

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- [End-to-end work](#) on hook sidecar ConfigMap feature on an entirely new code base
- [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
- Presented [CentOS Container Pipeline Service](#) in conferences and architected its v2 based on OpenShift 3
- 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**

- [Handle SIGTERM better in cluster agent](#)
- Modify Helm charts to enable features ([option to set fluentd log level](#)) and fix bugs ([network policy for RKE2](#))
- [Enable ARM64 integration testing](#)
- [Documentation for Telegram receiver](#) for Alerting
- Stack: Helm, Go

### 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
  - Use [Operator framework](#) to build and manage Kubernetes Operators
  - Stack: Go, [controller runtime](#), [operator-sdk](#)
- 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)