

## ABHISHEK SHARMA



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## PROFESSIONAL SUMMARY

I have 4+ years of experience in Software Engineering as Site Reliability and Devops Engineer.

Building secure, high-performing, resilient applications using Well Architected Framework, based on five pillars.

- *Operational Excellence*: Managing and Provisioning Infrastructure as a Code using Terraform.
- *Security*: Hardening security in applications using CIS hardened images, boundaries and validations.
- *Cost Optimization*: Perform Cost optimizations on GCP & AWS environments, reducing total cloud spends up-to **34%**.
- *Reliability*: Container Orchestration using Kubernetes for production workloads ensuring elasticity of services.
- *Performance Efficiency*: Building serverless architectures using AWS Lambda Functions to remove server's operational burden.
- *Automations*: Build an open-source solution for End-to-End testing of K8 clusters with reporting of over 1000 key checks with a UI dashboard (Team Size: 4)

## TECHNICAL SKILLS

- Operating Systems : Red Hat Linux 5/6/7, Centos 5/6/7
- Containerization tool : Docker, Kubernetes
- Programming Language : Python, Boto3, Bash shell scripting
- Cloud : AWS, GCP, OCI
- IaC : Terraform, CloudFormation, Spotinst
- CI/CD tool : Jenkins, Spinnaker, Helm
- Monitoring Tools : NewRelic, Datadog, Sensu, Prometheus, Grafana, Zabbix, ELK

## PROFESSIONAL CERTIFICATIONS

- AWS Solutions Architect Associate  
Date – 08/May/2018
- Certified Kubernetes Application Developer  
Date: 13/Apr/2020 (CKAD-2000-003633-0100)  
[CKAD Certificate](#)
- Alibaba Cloud Certified Associate  
Date – 12/April/2019
- Certified Kubernetes Administrator  
Date: 03/Dec/2020 (LF-qd8nslknjx)  
[CKA Certificate](#)
- Hashicorp Certified: Terraform Associate  
Date – 19/Dec/2020
- OCI Foundation Certified Associate  
Date: 17/Apr/2020  
[OCI Certificate](#)

## PROFESSIONAL EXPERIENCE

Working as a Senior Devops Engineer with **Dunzo Digital Pvt. Ltd.** since March 2021 to till date.

- Project Name : Dunzo
- Technology : GCP, Kubernetes, Python, Spinnaker, Jenkins, Grafana, IaC
- Role : Senior DevOps Engineer
- Duration : March 2021 to till date

### Roles and Responsibilities:

- Developing, enhancing and maintaining automation solutions to create infrastructure as code in Google cloud aiming to improve and support productivity of the Dunzo application.
- Lead a team of 5 Devops Engineer to Migrate several microservices to Kubernetes GKE and helped in GKE version upgrades without downtime.
- Designed and setup EFK logging architecture to enable centralized logging in Production environments using Fluentbit, Elasticsearch and Kibana.

- Managed and Built a seamless automated staging environment creation pipeline which creates on-demand ephemeral staging environments within 5 minutes.
  - Setup and managed Jenkins and Spinnaker on K8s, designed automated pipelines to deploy code to production environments using helm package manager.
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Worked as a Site Reliability Developer with **Oracle Cloud Infrastructure** since October 2020 to February 2021.

- Project Name : Object Storage Service - OCI
- Technology : OCI, Python/Go, TeamCity, CIS, IaC
- Role : DevOps Engineer
- Duration : October 2020 to February 2021

**Roles and Responsibilities:**

- Developing, enhancing and maintaining automation solutions to create infrastructure as code in Oracle cloud aiming to improve and support productivity of the Demo ecosystem.
  - Acting as a primary point of contact for Production incidents, performing detailed RCA while developing automated and self-healing solutions in OCI Object Storage Service.
  - Supporting product up-time of 99.9% in production.
  - Manage and build CI/CD pipelines, Security Hardening, production workload on oracle data center, IaC.
  - Developing tools and processes that leverage observability best practices to proactively identify and resolve issues before they become incidents.
  - Working hand-in-hand with Development teams participate in team rotation.
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Worked as a DevOps engineer with **Nutanix** Bangalore since August 2017 to September 2020.

- Project Name : Beam, Shoppersstop
- Technology : AWS, Kubernetes, Python, Jenkins, CIS, IaC
- Role : DevOps engineer
- Duration : August 2017 to September 2020

**Roles and Responsibilities:**

- Setting up reliability operations for the product in India, from development stages to rollout.
  - Supporting product launch to General Availability for early US customers.
  - Supporting product uptime of 99.5% in production.
  - Manage and build CI/CD pipelines, Security Hardening, production workload on Kubernetes and Nomad clusters, IaC.
  - Monitoring and Alerting for the application.
  - Cost optimization efforts resulting in savings over 20,000\$ on monthly AWS spends.
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**OPEN-SOURCE PROJECTS & MEDIA**

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- End-to-End Testing in Kubernetes (kubernetes/community)
- LinkedIn Profile: <https://www.linkedin.com/in/sharmaabhishek674/>
- Skype Id: **sharmaabhishek674**

**ADDITIONAL ACTIVITIES**

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- Part of Kubernetes Forum – Bangalore, India (02/2020)
- Part of Redhat Forum – Bangalore, India (10/2018)
- Part of AWS AI Conclave – Bangalore, India (12/2018)
- Part of AWS Containers Day – Bangalore, India (03/2019)

**ACADAMIC QUALIFICATION**

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(2013-2017) 4-year Graduate program **B. Tech** in Computer Science Engineering from **Rajasthan Technical University**.

Abhishek Sharma

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