

CERTIFICATIONS & ACADEMICS

HashiCorp Certified: Terraform Associate — verification-link.	JUN 2020
Certified Kubernetes Administrator — CKA-2000-008142-0100	MAY 2020
CNSS — Certification course on Networking and System Security — CDAC Hyderabad.	DEC 2011
B.Tech — 61% — IIMT Engg College Meerut — UPTU Lucknow.	2007—2011
HSC (10+2, PCM) — 60% — RTC Ormanjhi — Jharkhand Academic Council, Ranchi.	2004—2006
SSC (10th) — 65 % — RTC High School, Ranchi — CBSE Board.	MAY 2004

SKILLS

OPERATING SYSTEMS: Linux(11yrs); Windows(4yrs); **CLOUD & VIRTUALISATION:** AWS(9yrs); GCP(4yrs); Azure(5yrs); vSphere/ESXi(5yrs); Xen(2yrs); **INFRASTRUCTURE AUTOMATION / iac:** Terraform(7yrs); Vagrant(8yrs); **CICD:** Jenkins(7yrs); GitOps(4yrs); Bamboo(3yrs); CodePipeline(6yrs); Azure DevOps (3 years); TekTon (1yr); **SCRIPTING:** Bash(11yrs); Python(5yrs); **CONFIGURATION MANAGEMENT:** Puppet(4yrs); Chef(3yrs); Ansible(7yrs); **MONITORING:** Nagios(9yrs); Zabbix(7yrs); iCinga(3yrs); CheckMK(2yrs); AppDynamics(2yrs); Grafana(4yrs); NewRelic(2yrs); **CONTAINERISATION:** Docker (5yrs); Kubernetes (4yrs); **WEB SERVERS:** Apache2 / httpd (10yrs); Tomcat (6yrs); NGINX(10yrs); **DATABASES:** MySQL (6yrs); PostgresQL(5yrs); DynamoDB(6yrs); **VERSION CONTROL SYSTEM (VCS):** Git(6yrs); Bitbucket(4yrs); CodeCommit(6yrs); **TASK TRACKING:** Jira(5yrs); ServiceNow(5yrs); Salesforce(2yrs); Zendesk(2yrs); Trello(3yrs); **NETWORKING:** IPtables (11yrs); Cisco & Fortigate firewalls(4yrs); AWS Security Groups & NACL (9yrs); **SECURITY TOOLS:** OSSES(7yrs); Nexus(3yrs); QualysGuard(6yrs); ClamAV(9yrs); Snyc (5yrs); Sonarqube(5yrs); OWASP ZAP (5yrs).

EMPLOYMENT SUMMARY

Lead DevOps — Kloud9 Technologies India, Remote	Feb 2022 – Oct 2022
Sr. Technical Support Engineer — YugaByte India, Remote	Mar 2021 – Nov 2021
Site Reliability Engineer — VMware, Pune	Jul 2020 – Mar 2021
DevOps Architect (Tech Lead) — Aventri, Pune	Feb 2020 – Jun 2020
Technical Lead — EiNFOCHIPS (An Arrow Company), Pune	Feb 2018 – Jan 2020
Linux Administrator — Rave Technologies India, Mumbai	Jul 2016 – Jan 2018
Sr. Executive (Infra) — ControlCase International, Mumbai	Feb 2014 – Jul 2016
Project Engineer — CDAC [former NCST], Mumbai	Jul 2011 – Feb 2014

WORK EXPERIENCE [SINCE JUL-2011]

Lead DevOps — Kloud9 Technologies India, Remote	[Feb 2022 – Oct 2022]
Roles and responsibilities—	
➤ Automating the infra provisioning using terraform for AWS, GCP and Azure cloud platforms.	
➤ Automating tasks using ansible playbooks and bash / python scripts.	
➤ Working on serverless projects which involve lambda and serverless framework.	

Projects—

- Modularization of the terraform code.
- Implementation of terraform for Kubernetes resource creation on cloud platforms.
- Implementation of packer and ansible provisioner with terraform.

Sr. Technical Support Engineer — YugaByte India, Remote

[Mar 2021 – Nov 2021]

Roles and responsibilities—

- Automating the infra provisioning using terraform & ansible on AWS and GCP.
- Kubernetes Infra provisioning and deployment of applications on the kubernetes clusters using helm.
- Troubleshooting of customer (K8S) Infra and YugaByte DB issues.
- Providing YBDB support to the customers in coordination with the Engineering team.

Site Reliability Engineer — VMware, Pune

[Jul 2020 – Mar 2021]

Roles and responsibilities—

- Centralization of monitoring by Wavefront using AWS lambda.
- Centralization of log collection on logz.io using lambda.
- Centralization of scripts and scheduled tasks using AWS lambda (python scripts).
- Automated alerting setup to a slack channel using AWS lambda (python scripts).

DevOps Architect — Aventri, Pune

[Feb 2020 – Jun 2020]

Roles and responsibilities—

- Leading a team of 6 members and assigning them roles and responsibilities.
- Assigning tasks and following up on Jira tickets, creating performance reports and velocity charts using Jira.
- Automation of infra using ansible, terraform and packer.
- Automating tasks using python and bash scripts.
- Cost Optimization of AWS accounts.
- Automation of deployments using Jenkins and ansible.
- Automation of Infra provisioning using Jenkins and terraform.
- Taking care of the infrastructure security using nexus by running monthly scans.

Technical Lead — EiNFOCHIPS (An Arrow Company), Pune

[Feb 2018 – Jan 2020]

Roles and responsibilities—

- Leading team of 10 members and taking daily standup and weekly scrum meetings etc.
- Architecting new AWS / GCP infra and defining its process.
- Providing required training and skill upgradation in the team.
- Leading Administration of Azure infrastructure.
- Evaluation and Implementation of new technologies which is best suitable for our applications and infra.
- Providing permanent solutions of complex and resurfacing issues.
- Implementation of IaC using Terraform, Ansible, Jenkins, Python etc. for AWS, GCP and Azure infra.
- Assigning tasks and following up on Jira tickets, creating performance reports and velocity charts using Jira.
- AWS cost analysis and implementation of cost optimised infra as required.
- Security risk assessment and mitigation strategy using Qualys guard scan.

Projects—

- IAM Key Rotation automation using lambda.
- Zabbix & AppDynamics monitoring system setup.
- Implementation of AWS Auto Scaling (with and without LB).
- Automating Route53 record modifications using lambda.
- Implementation of AWS cross account roles across the infra.
- Containerization of the services and applications using Kubernetes (on Azure VMs) and AWS EKS.

Linux Administrator — Rave Technologies India, Mumbai

[July 2016 – Jan 2018]

Roles and responsibilities—

- Administering 2000+ Servers on AWS using puppet (open source and enterprise).
- Automating tasks like db updation, scheduled jobs using Puppet and bash/python scripts.
- Taking care of CI / CD using Jenkins, bamboo, git.
- Centralised config management of all the servers including web servers and databases using puppet.
- Providing shared drive solution using NFS, EFS, samba etc.

Projects—

- Migrating servers from vSphere to AWS EC2 using lift and shift.
- OS upgradation across AWS infra.
- Implementation of antivirus and HIDS across AWS infra.
- Setup process for periodic security audit.
- Containerization of bamboo builds using Docker.
- Implementation of lambda functions to automate tasks.

Sr. Executive (Infra) — ControlCase International, Mumbai

[Feb 2014 – Jul 2016]

Roles and responsibilities—

- Centralising the monitoring and alerting system using AWS cloudwatch and Nagios plugins.
- Managing server level configurations using Puppet across the board.
- Automating the replete tasks using bash and python scripts in conjunction with puppet.
- Network administration — Firewalls (Cisco & Fortinet), AWS VPC NACL, route tables and security groups.
- Implementation of IPS, IDS and HIDS (OSSEC) in the infrastructure.
- Troubleshooting SIEM related issues in the customers' infrastructure.
- Implementation of auto scaled infra on AWS.

Projects—

- Automating backup process.
- Implementation of PCI-DSS directives across the board.
- Migration of on premise / vSphere infra to AWS.
- Implementation of Git, Puppet & terraform on AWS.
- Implementation of MFA and SSL for all kinds of access and authentication.
- Defining process and automation for patching and security updates on the linux servers.

Project Engineer — CDAC [former NCST], Mumbai

[Jan 2012 – Feb 2014]

Roles and responsibilities—

- Migrating the servers of INDIAN NAVY from windows to BOSS Linux
- Training naval personnel to operate and use Linux.
- Implementation of Samba and LDAP to replace AD.
- Encryption of attached disks.
- Setup centralised authentication for Printer access.
- Setup a local repository for device drivers and security updates.

Project Trainee — CDAC, Hyderabad.

[Jul 2011 — Dec 2011]

- Training and certification from CDAC Hyderabad (JNTU campus).

I hereby declare that all the details furnished above are true to the best of my knowledge and belief.

DATE: 30 MAR 2023

PLACE: RAMGARH, JHARKHAND, BHARAT

ASHISH KUMAR