

# MANGALE LOPCHAN

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## PROFESSIONAL SUMMARY

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Passionate and motivated DevOps enthusiast with expertise in Private Cloud, Networking, and Infrastructure Deployment. Experienced in Nutanix Cloud, Red Hat solutions, Linux, and Kubernetes, with hands-on involvement in 10+ deployment projects. Strong troubleshooting skills and a continuous drive to learn and innovate in cloud and DevOps technologies.

## MAJOR SKILLS

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- **Nutanix Cloud Infrastructure:** Deployment, administration, and troubleshooting.
- **Cloud Platforms:** Familiar with AWS services, including EC2, VPC networking and architecture, S3, CloudFormation, and IAM. Familiar with Azure fundamentals.
- **Networking:** Experienced in routing, switching, subnetting, NAT, IPv4/IPv6, DHCP, TCP/IP, and OSI model.
- **RedHat Solutions:** Hands-on experience with RedHat OpenShift Container Platform, RedHat Satellite, RedHat Ansible Automation Platform, and RedHat Insights.
- **Nutanix Kubernetes Platform:** Deployment, administration, and troubleshooting.
- **Tools & Technologies:** Experienced with Jenkins, Grafana, Fluent Bit, Rook Ceph S3 storage, and Prometheus, Velero backup Solutions, Git, Ansible, FluxCD.
- **Containerization:** Skilled in deploying and managing private container registries & experienced with different container engines like docker, podman etc.
- **Linux Administration:** Strong troubleshooting skills and experience handling production environment issues.
- **Windows Server Administration:** Experienced in managing and troubleshooting Windows Server environments, including Active Directory.

## PROFESSIONAL EXPERIENCE

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Infrastructure Engineer | 2022/01/01 – Present

Digital Network Solutions, Kathmandu, Nagpokhari

Key projects:

- Deployed Nutanix Cloud Infrastructure on more than 10+ customers for providing Private Data Center with DC and DR on remote site configurations.
- Deployed Nutanix Kubernetes Platform on customer environment for running cloud native applications seamlessly with scalable architectures and configured highly available Kubernetes Cluster with asynchronous replicated on remote site with multi-tenancy Environment for multiple suborganizations.
- Deployed RedHat Satellite Infrastructure for automatic configuration management and Centralized RedHat hosts management through single console. Configured Automatic patch management and Seamless upgradation and migration management through RedHat satellite console.
- Configured RedHat Insights for managing RedHat servers through centralized console and managing automatic security patches of RedHat Servers.
- Configured Schedules for Taking Backup of Kubernetes objects daily using velero backup solutions. Replicated Kubernetes Cluster from DC site to Remote site using Nutanix Data Services for Kubernetes. And Provides data backup solutions for stateful applications.
- Deployed RedHat OpenShift Container Platform for managing Containerized workload easily through UI. Configured Object storage integration with OCP platform. Configured Integrated S2I workflow for automatic deployment of application to OCP platform.
- Utilize GitOps with Fluxcd for running continuous deployment of applications on Kubernetes platform

## CERTIFICATIONS & TRAINING

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- Certified Kubernetes Administrator – CKA (via [Credly](#))
- Certified Kubernetes Application Developer – CKAD (via [Credly](#))
- Certified Kubernetes Security Specialist – CKS ( via [Credly](#) )
- Kubernetes And Cloud Native Associate – KCNA ( via [Credly](#) )
- Kubernetes And Cloud Native Security Associate – KCSA ( via [Credly](#) )
- RedHat Certified Engineer - RHCE (via [Credly](#))
- RedHat Certified System Administrator - RHCSA (via [Credly](#))
- RedHat Portfolio: Foundational ( via [Credly](#) )
- RedHat OpenShift Developer Training (via [Credly](#))
- RedHat Enterprise Linux Automation with Ansible Training (via [Credly](#))
- Nutanix Certified Associate – NCA (via [Credly](#))
- Nutanix Certified Professional – Multi Cloud Infrastructure – NCP-MCI (via [Credly](#))
- Nutanix Certified Professional – Multi Cloud Infrastructure Automation (via [Credly](#))
- Nutanix Certified Professional – Cloud Native ( via [Credly](#) )
- Nutanix Certified Master – Multi Cloud Infrastructure ( via [Credly](#) )
- Oracle Rac 19 C Data Base Administration – Training
- Microsoft SQL Database Administration – Training

## EDUCATION

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BCA, Manipal University – Jaipur | 2024