

**PROFILE SUMMARY: Kubernetes Engineer****Experience: 6.10 Years**

- ✧ Expert in providing an ideal infrastructure platform for smooth running product development.
- ✧ Expert in deploying & managing **Production grade** multiple **Kubernetes & Hadoop clusters**.
- ✧ Managing clusters to achieve High Available, Scalable, Secure & optimal Resource utilization.
- ✧ Managed Cloud (**AWS**) **infrastructure** compute (EC2, **EMR**), storage (**S3**), Network (VPC).
- ✧ **Automated** infrastructure deployment & configuration using Infrastructure as Code tools.
- ✧ Experience on Automation of Administrative task by using Ansible, Python & shell script.
- ✧ Strong problem solving & Analytical mindset, great Team Player, passion to learn technology.

**WORK EXPERIENCE: MIBA Engineering Center India (MEC):**

[July 2018 to till date]

- Have working experience designing, deploying & supporting highly scalable cloud-based applications & architecture without downtime.
- Minimize the risk of system failure & ensure that controls are in place to detect failures.
- **Secured** the Kubernetes clusters with Authentication (**IAM**) & Authorization (**RBAC**).
- **Troubleshoot** failure relating to application, container, networking, security etc.
- Installed **Service mesh Istio** using **Helm** Package manager.
- **CD** pipeline using GitOps (Argo), Helm.
- In-depth knowledge of **Docker** containerization & container Namespaces.
- **Orchestrated** Machine Learning Pipeline using **KubeFlow** & triggers using **Lambda**.
- Deployed cluster-level **monitoring & logging**- CloudWatch, Prometheus & Grafana, Kibana.
- Well versed with **container Networking** & Storage Interfaces.
- In depth knowledge about k8s architecture, HA & Resource management.
- Performed **POC** to find out best Deployment strategy (recreate, ramped, **Blue/Green**, canary)
- **Migrated** applications from on-prem to cloud (AWS).

**PAST EMPLOYER: Tata Technologies**

[Aug 2016 to July 2018]

- Job role involves Configuring, Deploying, Maintaining & administrating a **Hadoop** cluster along with its ecosystem components.
- Deep understanding of Hadoop Ecosystem including HDFS, YARN, Hiva, Kafka, Spark etc.
- **Data Governance** on the Hadoop cluster by implementing an **Authentication** mechanism using Kerberos, **Authorization** using Sentry, Extended ACL's and **Encryption** using **KMS**.
- Performed **Linux** kernel tuning (Cent OS) using shell scripts and Ansible.

**PAST EMPLOYER: CYIENT Ltd.**

[July 2015 to July 2016]

- Worked as an admin involved in Cluster maintenance, troubleshooting, Monitoring, and followed proper backup & Recovery strategies.
- Administer **Hadoop & Spark cluster** environment with Cloudera Distribution.

**PAST EMPLOYER: VIRTUAL SIMUTECH**

[July 2014 to July 2015]

- Responsible for **monitoring** the Hadoop clusters, monitoring of **data injection** tools, data visualization tools and if anything goes wrong then raise the tickets to the respective team.

**EDUCATION DETAILS:**

- ✧ Completed Master of Technology (**M. Tech**) from JNTU University with **distinction**.
- ✧ Completed Bachelor of Engineering (**B.E**) from Pune University with distinction.