Vamsi Sadanala

DevOps Consultant/Architect

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📍 Hyderabad, IN

SUMMARY

15+ years experienced & result oriented DevOps & Storage Consultation possessing in-depth experience of managing cloud based technology & effectively handling configuration & deployment of infrastructure & services. Gained hands on experience in implementing core DevOps concepts such as containerization, virtualization, version control, cloud computing, administration, load balancing, etc. by using a wide variety of technologies while working with Kubernetes, Operating Systems & Automation scripting languages. Drives excellence in every project to deliver outstanding results.

KEY SKILLS

• Containerization • Version Control • Load balancing • Configuration Management • Cloud Technology Management • Cloud Computing • Microservices • Storage / Server Maintenance • Infrastructure Monitoring • Security & User Administration • Shell Scripting • Virtualization Configuration • Deployment & Provisioning • Database Management • Cloud Networking • Data-center Management

TECHNICAL SKILLS

- **OS:** Linux, Windows
- **DBMS:** PostgreSQL, MongoDB
- **Languages:** Shell Script, Python, Groovy
- **Version Control Systems**: Git, Bitbucket
- **Automation/Build Tools**: Jenkins and JNLP Slave Nodes, Docker, Ansible, Nexus, Skaffold, Flux, Helm
- **Container Security**: servicemesh, Istio

PROFESSIONAL EXPERIENCE

DevOps Consultant/Architect, Wipro
Nov '20 - Present
Hyderabad, IN

Environment: Kubernetes, Openshift, Docker, Helm, Flux, ArgoCD, Istio, Jenkins, Bitbucket, Sonarqube, Fortify, JIRA, Nexus, Java & Nodejs, Maven, PostgreSQL, MongoDB, Linux, Python, Groovy & Bash/Shell scripting

- Design & deploy enterprise Kubernetes Cluster
- The architectural design to migrate the monolithic Application to the microservices
- Service mesh implementation in the Kubernetes with Istio
- Establish CI/CD pipeline templates for the entire project in Jenkins
- Setup CD with Gitops tools like Flux and ArgoCD
- Onboarding Java/Nodejs Applications to Openshift Environment
- Automated pipeline for each branch in the repository
- Store the Application artifacts in the Nexus repo
- Promote to UAT and Production Environment in Openshift
- Setup of Email Approvals stage for promoting to Higher Environments
- Created shared libraries in Jenkins consisting of various stages
- Metrics and reporting are achieved through Prometheus and Grafana dashboards

DevOps Consultant, Techwave India Ltd
Mar '18 - Nov '20
Hyderabad, IN

Environment: Kubernetes, Openshift, Portworx, Helm charts, Skaffold, Flux, Istio, Docker, Git, Jenkins, load balancing, IBM Cloud, AWS, Azure, Maven, Postgresql, Linux, Bash/Shell scripting

- Appointed as a Subject Matter Expert to advise multiple teams on virtualization & containerization solutions
- Designed and Deployed Kubernetes/Openshift service in IBM Public Cloud.
- Containerize the monolithic Application to microservices.
- Building Docker images for Java/Nodejs Applications
- Deployed the Portworx(Software-Defined Storage) service in IKS.
- Pod/deploy/services/PVC/Secrets..etc deployments using YAML files
- Helm chart implementation in IBM IKS.
- Designed Backup and DR solution using Portworx services.
- Configure ETCD database service for IKS.
- CI/CD deployment using Skaffold open source software
- Automate and Synchronize version control(git) and K8 Cluster with Flux open Source.
- Implemented Istio proxy for the micro-services deployment.
- Monitoring the K8 Cluster and Cloud infra using Prometheus.
- Migrating on-premise VMware infrastructure to AWS.
- Automate the tasks using Bash/Shell/Python/Powershell scripting
- Front ending escalations and support major issues, work on RCA's

Advisor System Administrator, DXC
Apr '06 - Feb '18
Hyderabad-IN, KL-Malaysia

Environment: NetApp, Hitachi, EMC, VMware, Linux, AWS, Netbackup, BackupExec, Arcserve, Shell scripting

- Subject Matter Expert to implement the Storage solutions for NetApp/Hitachi
- infrastructure
- Provide IT Consulting and Solution Design expertise for various Business IT
- requirements.
- Design solutions that are highly available, scalable and redundant.
- Data-center Migration and Transformation. Cloud Computing Initiatives and Cloud
- adaptiveness.
- Coordinating/working with platform & vendor support team in resolution activities

- **Virtualisation**: VM Ware ESX/ESXi, Docker, Amazon AWS/EC2, IBM IKS/OpenShift, Kubernetes, Vagrant
- **Platforms**: Linux and UNIX, Windows
- **Storage & Backup:** NetApp, Hitachi, EMC, Brocade, Cisco, Netbackup, Arcserve, BackupExec, Rubrik, Networker

- Disaster recovery tests are performed on half yearly basis using Snap-mirror technology
- Experience in NetApp hardware refresh & migrations - by using snapmirror.
- Advanced experience of vendor tools for managing, configuring, and troubleshooting
- like On-command Unified Manager/Data Fabric Manager/On-command
- Performance/On-command System Manager.
- IOPS/Latency/Throughput – performance sizing of NetApp
- Configuring alerts using Unix shell scripting
- Configuration of De-duplication, thin provisioning.
- Datacenter Management - in UK/Malaysia world-class DC's.

EDUCATION

B.Tech - Information Technology   Jun '01 - May '05

Sri Vasavi Engineering College   Tadepalligudem, IN

- Year of pass: 2005
- Score: 62%

Certifications

- Certified Kubernetes Administrator (CKA) - June'20