SURJITH M

Senior DevOps Engineer

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Spent 5.5 years developing the skills to increase velocity, reliability, and quality for BFSI vertical with a high focus on security. Deep experience with AWS, Docker, Kubernetes, and OpenStack, helping organizations instill DevOps for the modern age.

CERTIFICATIONS

- ➤ AWS solution architect.
- ➤ Certified Kubernetes Administrator (CKA).
- ➤ RHCSA -Red Hat Certified System Administrator.

WORK EXPERIENCE

TATA COMMUNICATIONS, Chennai   JUNE -2021 – present

- Implemented IaaS, PaaS and SaaS which include Kubernetes, Docker and OC.
- Develop and maintain system performance metrics and dashboards (Grafana)
- Experience in managing large scale enterprise infrastructure.
- Developed and maintained a Kubernetes-based autoscaling solution, resulting in a 25% reduction in infrastructure costs and a 15% increase in application performance during peak traffic periods.
- Design, develop, and maintain Kubernetes clusters and applications.
- Improved the reliability of the systems by implementing self-healing and auto-scaling capabilities using Kubernetes.
- Design and implement CI/CD pipelines for Kubernetes applications.
- Implement and maintain security policies for Kubernetes clusters and applications.
- Developing and implementing automation solutions to reduce manual efforts and prevent issues.
- Provisioning servers in Cloud and containers.
- Worked in Ansible playbooks for automatic deployment and configuration of RHEL servers for test and production environments.
- Building customized Docker image from Docker file, analyzing the logs, and troubleshooting Docker image and containers.
- Automated the deployment of microservices using Kubernetes and Helm.
- Managed configuration and deployment of application in 100+ Kubernetes clusters.

ECPL pvt, Ltd., Bangalore   Feb 2021 to May 2021

- Software management including well-timed updates.
- Backups management.
- Managed the implementation of security policies and procedures, resulting in a 50% reduction in security incidents and a 30% increase in system security.
- Configuring the LVM (Logical Volume Manager) and extended the logical volumes online.
- Install & Upgrade new software's based on the client requirements.

Precision Informatics' Pvt Ltd., Chennai   **July-2019 to FEB 2021**

- Configuration of LVM (Logical Volume Manager) to manage volume group, logical and physical partitions and importing new physical volumes
- Hands on in VMware and physical servers
- Monitoring system usage, disk usage and performing disk space maintenance on production, test and development machines.
- Maintaining file system by threshold level.
- Used Shell scripts for day-to-day activities and task for automating.
- Software package and patch administration, involving adding and removing software packages and updating patches
- Process administration (start/stop/kill).

HTC Global Services, Chennai   **July-2018 to May-2019**

- Troubleshooting Software and Hardware Issues.
- Monitoring watch guard.
- Installing windows 2008 and 2012 servers.
- Handle daily technical support activities on desktop support, data network and server Management.

SKILLS

Operating System
Linux - Filesystem, Network Bonding, Kernel Tuning, OS Hardening, Disk Migration, Yum Package Manager, OS Patching, RHEL Migration.
Redhat Pacemaker - Cluster management, Active/Passive Setup.
Redhat IPA - OpenLdap, IPA Master/Slave configuration, Kerberos, SSSD, certificate management.

Cloud & Container Technologies
GCP - VM, Storage, VPC, Load Balancer, Containers.
AWS - VM, Storage, VN, Load Balancer.
Docker - Container Lifecycle Management, Local Image Registry, Custom Image Build, Pull Image.
Kubernetes - Cluster Management, Deployments, Services, health checks.

Infrastructure Automation Tools
Ansible - Playbook, Inventory Script, Roles, Custom Module creation - Python + Bash Scripting, Ansible Vault.
Terraform - Deployments, Terraform scripts from scratch, Cloud Provisioning.
Red Hat Satellite - Patch Management, Package Management.
Scripting - Bash Scripting.
Version Tools - GIT
Monitoring Tools - Zabbix