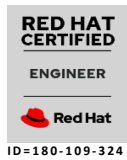


SRIVARDHAN REDDY KOLAN



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🏠 Hyderabad, Telangana

PROFESSIONAL SUMMARY:

- Over 9+ years of experience in IT and 5 years of DevOps & 4 years in Linux administration practices. Seeking a challenging role to leverage my expertise in AWS, Kubernetes, Terraform, and Helm Charts to drive automation and streamline CI/CD processes.
- Effectively managing SLAs, incidents, and change management processes. Proficient in implementing robust monitoring solutions to ensure SLA adherence, swiftly resolving incidents to minimize downtime, and orchestrating change management workflows for seamless and controlled deployments.
- Experienced with various Services of AWS: EC2, ELB, Route53, S3, SNS, RDS, IAM, CloudWatch.
- Managed and optimized AWS resources, ensuring cost-effective and efficient cloud infrastructure.
- Collaborated with development teams to integrate automated testing into the CI/CD pipeline, leading to in software defects.
- Implemented Kubernetes clusters to manage containerized applications, improving scalability and resource utilization.
- Administered a diverse Linux environment consisting of CentOS, Ubuntu, and Red Hat servers.
- Installed, configured, and maintained critical services such as Apache, Nginx, MySQL, and SSH.
- Automated routine tasks using shell scripting, cronjobs and saving multiple man hours per week.
- Diagnosed and resolved server performance issues, ensuring high system availability and uptime.
- Proficient in creating and managing Jira issues, configuring Jira workflows, integrating Jira with other tools and using Jira reporting analytics.
- Implemented and managed monitoring solutions using Prometheus and Grafana to ensure real-time visibility into system and application performance, meeting and exceeding SLA requirements consistently.
- Documented the architecture, setup and configuration of the monitoring stack ensuring clear and accessible knowledge sharing among team members.
- Proficient in debugging and conducting Root Cause Analysis(RCA) for incidents to ensure seamless system functionality.

EDUCATION SUMMARY:

- Bachelors in Computers Science and Mathematics (Osmania University).

TECHNICAL SKILLS:

- DevOps: CI/CD, Git, Jenkins, ArgoCD
- Cloud: AWS
- Containers: Kubernetes, Docker
- Infrastructure as Code: Terraform, Ansible
- Issue Tracking: Jira
- Monitoring & Observability: Prometheus, Grafana
- Operating Systems: Linux (CentOS, Ubuntu, Red Hat), Windows

PROFESSIONAL EXPERIENCE:

MKS Vision : DEVOPS ENGINEER | HYD, INDIA

Feb 2024 – TILL DATE

- DEV/TEST/QA/PROD. Migration of application from native data center to AWS.
- Automate CI/CD pipeline on Docker based infra.
- Experienced in AWS Cloud platform and its features which include IAM, EBS, RDS, Cloud Watch, Cloud Trail, Cloud Formation, Auto scaling, S3, EC2, ELB.
- Created security groups in AWS managing the ports.
- Created S3 bucket and management of storage.
- Developed CloudFormation to automate the EC2 instance creation.
- Troubleshooting the issues related to servers and coordinating with teams for proper solution.
- Implementing various AWS services via management console.
- Monitoring the performance health of the applications or services.
- Setup and attached EBS volumes to EC2 instances Provided consistent environment using Kubernetes for deployment scaling and load balancing to the application from dev through production, easing the code development and deployment pipeline by implementing Docker containerization with multiple namespaces.
- Worked on Kubernetes to manage containerized applications using its nodes, Configuring Maps, selector services and deployed application containers as Pods.
- Utilized tools like Terraform to define and manage infrastructure in a scalable and maintainable way.
- Developed Python and shell scripts for automation of the build and release process.
- Integrated Prometheus and Grafana into the CI/CD pipeline, automating the deployment of monitoring configurations for new services and applications.
- Documenting architecture, setup and configurations of server and conducting Root Cause Analysis(RCA) for incidents and documenting them for future references.
- Documented every process and step involved in DevOps CI/CD for better management and knowledge transfer.

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- As part of DevOps team, my role includes release management, Environment Management, deployments, Continuous integration, continuous deployment, Incident management, version management.
- Providing a better workflow for Continuous Integration and Continuous Delivery.
- Migrating applications from customer on-premises data-center to the cloud (AWS).
- Designed CI/CD processes in the context of a Jenkins orchestration, including the usage of automated build, test/QA and deployment tools.
- Configure jobs and pipelines using Jenkins. Troubleshoot problems arising from Build failures and Test failures.
- Used GIT as source code management tool, setup push pull events to invoke builds, automation test cases from Jenkins.
- Worked on various components like Docker Engine, Hub, Docker File, Compose and Registry.
- Maintained high availability clustered and standalone server environments and refined automation components with scripting and configuration management (Ansible).
- Provided consistent environment using Kubernetes for deployment scaling and load balancing to the application from dev through production, easing the code development and deployment pipeline by implementing Docker containerization with multiple namespaces.
- Implemented and managed monitoring solutions using Prometheus and Grafana to ensure real-time visibility into system and application performance.

- Administered, maintained Red Hat, Troubleshooting Hardware, Operating System Application & Network problems and performance issues.
- Actively participated in on-call rotations, providing 24/7 support for critical production systems.
- Performed routine system tasks, including package management, user management, and file system management.
- Managed the development activities for the multiple server instances by enabling password less SSH communication between the servers.
- Conducted system updates, patches, and upgrades to keep infrastructure up-to-date and secure.
- Written Bash shell-scripts to automate routine activities and Installation and configuration of Samba Server.
- Configuring and troubleshooting networking services (e.g., DNS, DHCP, and TCP/IP).
- Providing technical support and resolving incidents related to Linux systems.
- Monitored system performance, identified bottlenecks, and implemented optimizations to improve overall efficiency.
- Creating and managing LVM's in redhat linux servers for better storage management.
- Enhancing the software with updates in frequent intervals to improve the response time.
- Proactively Setting traps for unusual activity in the application which can lead to downtime of the application.
- Automatic triggering of alerts via email, proactively reducing the downtime of the application.
- Creating setups for the dealers as per their requirements and as per the state regulations in USA.
- Maintaining dealer specific logons in backend in DMS and maintaining full uptime of the systems during working hours.
- Migrating the DMS to different location as part of change when Dealer is moved.

- Level 2 Application support for the client British Telecom(BT) internet services– United Kingdom.
- 24x7 application support in order to maintain system availability to end user.
- Contributed as the direct Point of Contact(PoC) to the client in a fast-paced team environment.
- Experienced on ITIL process like change, incident and problem management.
- Major and Minor deployments and incidents & issue resolving deployments in real time.
- Worked on HP change management process for managing incident & change request ensure that changes are implemented in a controlled and orderly manner, minimizing the risk of disruption to business operations.
- Closed many problems raised from long running incidents and improved application uptime and maintenance activities.
- Conducted thorough root cause analysis of incidents to prevent recurrence and enhance system stability. Conducted thorough root cause analysis of incidents to prevent recurrence and enhance system stability.
- Raised / Followed-up Hardware calls on servers and effectively coordinating with hardware engineers.
- Automating routine jobs by developing scripts and placing in cron jobs to reduce manual interventions.
- Strictly following the Escalation Matrix defined. Ensuring the problem closure as per SLA norms.
- Worked in different types of Line Of Business(LoB's) contains 3 applications.
- Collaborated with cross-functional teams to troubleshoot complex technical issues and implement effective solutions.
- Developed scripts on threshold limits on server & DB which will trigger an alert before it leads to major incident.
- Worked closely with development teams to deploy and support applications on Linux servers.
- Implemented and maintained security measures, ensuring the integrity and confidentiality of critical data and systems.
- Conducted regular system backups and disaster recovery planning to safeguard against data loss.
- Writing detailed documentation of all the activities involved in daily operations.
- Prepared runbooks and SOP's for the team.

Additional Information:

- Home Automation using open source tools and services like Home Assistant, Tasmota, ESP Home, Alexa, CasaOS, Ubuntu Linux, Proxmox, Docker containers.
- Implemented LLM's in homelab environment locally and exposed it to internet to be used like ChatGPT.
- Implemented a wide variety of automations like Voice controlled Home, Aquarium, Security, TV.
- Implemented local server which can be used as cloud like storage system for all the family members to back up photos, videos and important files.
- Implemented high availability samba share storage that can be shared between any devices in local network.
- Special interests in automating everything that's possible using technology.
- Educating others on cyber security threats to be safe in present generation.
- Experimenting with latest gadgets within my reach and budget.
- Intermediate level of proficiency in French Language.