SRIVARDHAN REDDY KOLAN

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- AWS Certified Solutions Architect – Associate

- Certified Kubernetes Administrator (CKA)

- Red Hat Certified Engineer (RHCE)

PROFESSIONAL SUMMARY:

Highly accomplished and results-driven Senior DevOps Engineer with over 10 years in IT, specializing for 6+ years in cloud infrastructure, automation and CI/CD. CKA certified with proven expertise in architecting and managing scalable solutions on AWS using Kubernetes, Terraform, Ansible, Jenkins and ArgoCD. Adept at driving operational excellence, enhancing system reliability and optimizing costs through robust IaC practices, comprehensive observability and streamlined processes. Passionate about leveraging automation to accelerate software delivery and improve infrastructure resilience.

TECHNICAL SKILLS:

- **Cloud Platforms:** AWS (EC2, EKS, S3, RDS, ELB, Route53, IAM, CloudWatch, CloudFormation, EBS, Auto Scaling, Lambda)
- **Containerization & Orchestration:** Kubernetes (CKA Certified), Docker, Helm
- **Infrastructure as Code (IaC):** Terraform, Ansible, AWS CloudFormation
- **CI/CD & Version Control:** Jenkins, ArgoCD, GitLab CI, GitHub Actions, Git
- **Monitoring & Observability:** Prometheus, Grafana, AWS CloudWatch
- **Operating Systems:** Linux (Red Hat, CentOS, Ubuntu), Windows Server (Basic Exposure)
- **Scripting & Automation:** Bash Shell Scripting, Python
- **Databases:** MySQL, AWS RDS
- **Networking:** TCP/IP, DNS, DHCP, Load Balancing, Security Groups/Firewalls
- **Web Servers:** Apache, Nginx
- **Issue Tracking & Collaboration:** Jira (Configuration, Workflows)

CORE COMPETENCIES / KEY RESPONSIBILITIES & ACHIEVEMENTS:

- **Cloud Architecture & Management:** Architected & managed secure, scalable AWS infrastructure (EC2, EKS, S3, RDS, etc.), optimizing performance and cost.
- **Infrastructure as Code (IaC):** Automated infrastructure provisioning & configuration management using IaC (Terraform, Ansible) for consistency and repeatability.
- **CI/CD Automation:** Developed & optimized automated CI/CD pipelines (Jenkins, ArgoCD) accelerating application delivery and reducing manual effort.
- **Containerization & Orchestration:** Managed containerization (Docker) and large-scale Kubernetes orchestration (CKA Certified); including cluster operations, scaling, and Helm.
- **Monitoring & Observability:** Implemented comprehensive monitoring (Prometheus, Grafana, CloudWatch) enhancing reliability and enabling rapid incident response.
- **Automation & Scripting:** Automated operational tasks, system admin, and build/release processes using Bash & Python scripting for improved efficiency.
- **Cloud Migration:** Planned & executed complex on-premise to AWS migrations, ensuring minimal downtime and enhanced scalability.
- **Linux Admin & Security:** Administered Linux systems (RHEL, CentOS, Ubuntu) managed security hardening, patching, networking and best practices.
- **Collaboration & Documentation:** Collaborated cross-functionally (Dev, QA, Ops) on troubleshooting, deployments, maintained key documentation.
- **Operational Excellence:** Improved operations via RCA, preventative measures, and ITIL practices (Incident/Change/Problem Management using Jira).

PROFESSIONAL EXPERIENCE:

MKS Vision Pvt Ltd. | Hyderabad, India
Sr. DevOps Engineer | Feb 2024 – Present

- Led the strategic migration initiative for key business applications from on-premise infrastructure to AWS, focusing on scalability and operational efficiency improvements.
- Designed and managed CI/CD pipelines tailored for microservices architecture, reducing deployment times and increasing release frequency.
- Implemented advanced Kubernetes configurations for production workloads.
- Established company-wide monitoring standards using Prometheus & Grafana, providing critical performance visibility.
- Conducted comprehensive RCAs for critical production incidents, implementing long-term fixes.
- **Technologies Used:** AWS (EC2, S3, RDS, ELB, EKS, IAM, CloudWatch, Route53), Kubernetes (CKA Level), Docker, Helm, Terraform, Jenkins, ArgoCD, Prometheus, Grafana, Git, Bash, Python, Jira.

AVYA IT SERVICES | Hyderabad, India
DevOps Engineer | Jul 2018 – Feb 2024

- Played an integral role in multiple client migrations from on-premise data centers to AWS, contributing to infrastructure design and execution.
- Developed and maintained CI/CD pipelines using Jenkins, significantly improving build and deployment automation for various monolithic and microservice applications.
- Managed containerized applications using Docker and Kubernetes across development, testing, and production environments.
- Utilized Ansible extensively for configuration management and automated application deployments across server fleets.
- Implemented initial monitoring solutions with Prometheus & Grafana for key client systems.
- Managed Git repositories, enforced branching strategies, and resolved build/deployment conflicts.
- **Technologies Used:** AWS (EC2, S3, RDS, ELB, IAM, CloudWatch), Kubernetes, Docker, Docker Compose, Ansible, Jenkins, Prometheus, Grafana, Git, Bash, Python, Jira, MySQL.

CDK GLOBAL | Hyderabad, India
Sr Process Associate / Linux Administrator | May 2017 – Jul 2018

- Administered Red Hat Linux servers, focusing on builds, patching, user management, and automated tasks via Bash scripting.
- Provided 24/7 on-call support for critical production system availability and incident resolution.
- **Technologies Used:** Red Hat Linux,Shell Scripting, LVM, Cron, TCP/IP, DNS, DHCP, Ticketing Systems.

TECH MAHINDRA LTD. | Pune, India
Jr Software Engineer (Application Support) | Aug 2013 – Oct 2015

- Provided L2 application support within an ITIL framework, managing incidents and change requests.
- Participated in application deployments on Linux and created basic operational documentation/scripts.
- **Technologies Used:** Linux (Admin), ITIL Processes, Ticketing Systems, Basic Shell Scripting.

EDUCATION:

Bachelors in Computer Science and Mathematics | Osmania University, Hyderabad

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ADDITIONAL INFORMATION:

- **Personal Projects:** Actively maintaining a home lab environment, exploring automations with opensource tools like Home Assistant, ESP Home, Proxmox, Docker containers, and local LLM implementation.

- **Languages:** English (Native), French (Intermediate)