SADIQ KARUR

DEVOPS ENGINEER

/ CONTACT DETAILS

Bengaluru
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/ EDUCATION HISTORY

>> S V University, 2013 - 2017
Bachelor's Degree in E.E. Engineering

>> NRI Jr College, 2011 - 2013
Intermediate Degree in M.P.C.

/ LANGUAGES

Shell Scripting
YAML
Python

/ SKILLS

- AWS
- Azure
- Observability Tools
- Terraform
- Ansible
- Docker
- Kubernetes
- Jenkins
- SonarQube
- Scripting (Shell, Python)
- Linux (Redhat, Ubuntu)
- Git

/ CERTIFICATIONS

- SRE Foundation Certification
- Amazon Web Services Solutions Architect Associate
- AZ-400 Designing & Implementing Microsoft DevOps Solutions

/ OTHER INTERESTS

> Agentic AI Systems
> Hackathons
> Illustrator, Tableau

/ WORK EXPERIENCE

>> Systems Engineer | CGI (Aug 2019 to Feb 2023)

- Built & managed Jenkins CI/CD pipelines (**scripted + declarative**) for Java/.NET apps, improving deployment speed by 40%.
- Containerized legacy build & test workflows using Docker, establishing consistent environments across dev, QA, & staging.
- Managed Kubernetes workloads including deployments, **ConfigMaps**, service rollouts, resource limits, & **first-stage cluster adoption**.
- Managed, Automated **Linux administration** tasks including filesystem management, service creation (**systemd**), housekeeping & setting custom repositories (**EPEL**, Jenkins, Docker, Ansible) required for DevOps **toolchains**, leveraging **Shell scripting** for configuration & maintenance automation.
- Integrated **SonarQube** with CI pipelines to **enforce code quality gates** & early defect detection.
- Participated in **Disaster Recovery (DR)** exercises, conducted **Root Cause Analysis** (RCA) and managed **Problem investigation** tickets in ITSM.
- Improved Git workflows via branching strategies, PR quality checks, & merge validation policies.
- Developed Ansible playbooks for automated Prometheus & **node exporter deployments** with **dynamic inventory** updates, ensuring real-time discovery of new **Linux** nodes & uniform **metric collection** across environments.
- Reduced build failures through pipeline optimization, improved dependency handling, & **fail-fast strategies**.
- Delivered documentation, runbooks, onboarding guides, & CI/CD architecture diagrams to standardize delivery processes.

>> DevOps Engineer | TCS (Feb 2023 to Present)

- Architected & standardized Azure DevOps YAML CI/CD pipelines, driving reliability, modularity, & reuse across 10+ engineering teams.
- Built progressive deployment strategies including **blue-green, canary**, & **ring-based rollouts**, reducing deployment-related incidents by **45%**.
- Designed & managed **AWS EKS clusters**, including autoscaling, nodegroups, deployment rollouts, **PodDisruptionBudgets**, resource tuning, & cluster health automation.
- Automated **Azure AKS cluster** provisioning & application deployment using **Terraform & Azure DevOps pipelines**, enabling reproducible, reliable, & **policy-compliant** infrastructure across multiple environments.
- Implemented **GitHub Actions workflows** for containerized microservices automating image builds, **security scans** with **Trivy**, **dependency** scanning using **OWASP Dependency-Check**, & **policy-as-code** checks using **Checkov**.
- Established Kubernetes **pre-deployment validation gates** (YAML linting, schema checks, dry-run deployments), preventing misconfigurations from reaching production.
- Enhanced **observability** & incident response by integrating **Prometheus**, **Grafana**, & **CloudWatch**, improving **detection** & reducing **MTTR**.
- Improved pipeline performance through **caching, matrix strategies** & **parallel stages** — reducing overall build times by **30–40%**.
- Managed AWS environments end-to-end including EC2, RDS, S3, IAM, **CloudWatch alarms**, dashboards, & **incident-driven scaling**.
- Worked on **POCs** for **Bedrock & Agentic DevOps** systems leveraging **OpenAI** & other **LLMs**, exploring **AI-assisted deployment automation** & **self-healing infrastructure** concepts.
- Led **root-cause analysis** for pipeline & environment failures, implementing reliability improvements that **reduced recurring issues** by **~50%**.
- Integrated **Hadolint & KubeLinter** into build pipelines for **Dockerfile & Kubernetes manifest** validation, ensuring security & best practices compliance before production rollout.