SAI VENKATESH ANASURI

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PROFILE SUMMARY

Site Reliability Engineer with 5+ years of experience in automating and optimizing cloud-native applications and CI/CD pipelines. Proficient in cloud platforms, with a focus on improving lead time and system reliability. Skilled in Server Management, IaC Tools, Kubernetes, Docker, GitOps and performance optimization & monitoring with Prometheus and Grafana. Adept at ensuring high availability, security, performance, and cost-efficiency in scalable infrastructure.

SKILLS & INTERESTS

Cloud Platforms: Google Cloud Platform, Amazon Web Services, Microsoft Azure.

Containerization: Docker, Kubernetes, Google Kubernetes Engine, Elastic Kubernetes Services.

CI/CD Tools: Jenkins, Argo CD, GitHub Actions, Cloud Build.

Infrastructure as Code: Terraform, CloudFormation.

Security and Compliance: SonarQube, HashiCorp Vault.

Monitoring & Observability: Prometheus, Grafana, ELK Stack, Dynatrace.

Networking: VPC, Load Balancing, Cloud NAT

Programming Languages: Java, Python, Go, Bash

Scripting: PowerShell, Google Cloud SDK (gcloud), Azure CLI, AWS CLI

WORK EXPERIENCE

Intellisoft Technologies   **Dallas, Texas**

Site Reliability Engineer   *Aug 2024 - Present*

- Engineered Terraform modules for GCP, Azure, and AWS, reducing provisioning time by 80% and ensuring consistent, reliable deployments.
- Optimized Kubernetes workloads by configuring resource limits and requests with Helm, improving application performance and reducing costs by 30%.
- Orchestrated multi-region Kubernetes clusters on GKE, implementing robust disaster recovery strategies to ensure seamless business continuity.
- Integrated Jenkins, Argo CD, and GitHub Actions to automate CI/CD, increasing deployment frequency by 40% and reducing lead time by 60%.
- Designed reusable Groovy libraries for shared pipeline functions, standardizing and streamlining build and deployment processes across projects.
- Implemented proactive monitoring solutions, streamlining incident response and reducing downtime by 30% during outages.
- Optimized multi-region Kubernetes clusters on GKE, achieving 55% cost savings and 99.99% system availability.

University of North Texas   **Dallas, Texas**

Teaching Assistant | Site Reliability Engineer   *Jan 2023 - May 2024*

- Implemented proactive alerting systems using Prometheus and Grafana improving infrastructure health monitoring and reducing downtime by 30%.
- Managed multi-cloud environments with reusable Ansible playbooks, boosting deployment efficiency by 40% and reducing configuration errors by 25%.
- Mentored and trained three junior developers on DevOps best practices, creating tutorials that enhanced team efficiency and skill development.

Cognizant Technology Solutions   **Chennai, India**

Site Reliability Engineer   *Aug 2021 - Aug 2022*

- Migrated critical workloads to GCP, reducing disaster recovery downtime by 50% and enhancing system reliability.

- Designed and deployed Google (GKE) and OpenShift platforms, ensuring 99.9% uptime for critical applications.
- Developed a CI/CD pipeline with Jenkins and GitLab, automating deployments, cutting manual effort by 65%, and saving 50+ hours monthly.
- Designed and implemented scalable infrastructure solutions, reducing costs by 30% while improving system reliability and performance.
- Enhanced system monitoring and alerting with Jenkins plugins and scripts, reducing downtime by 70% and increasing reliability by 55%.
- Developed and executed shell scripts to perform OS upgrades on 800+ servers, reducing manual intervention and minimizing downtime.

EduRun Private Limited   **Hyderabad, India**

Cloud Infrastructure Engineer   *Aug 2019 - Jul 2021*

- Integrated ServiceNow with AWS alerts for incident management, reducing response time by 30% and improving SLA adherence.
- Implemented centralized monitoring and logging solutions using CloudWatch, Azure Monitor, and Stackdriver, improving visibility and reducing troubleshooting time by 50%.
- Automated patch management for over 1,000 Google Cloud Engine instances and Azure VMs, reducing patching times by 50% and ensuring minimal downtime during updates.
- Streamlined system processes and deployment pipelines using Python, Bash, and Ansible, reducing manual intervention and boosting operational efficiency by 40%.
- Designed disaster recovery solutions on GCP, achieving 99.95% availability and ensuring uninterrupted business continuity during outages.

EDUCATION

University of North Texas   **Denton, Texas**

Master of Science in Computer Science