SAI VENKATESH ANASURI

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PROFILE SUMMARY

Experienced DevOps Engineer with 5+ years of expertise in designing, automating, and optimizing cloud-native applications, CI/CD pipelines, and scalable infrastructure. Proficient in GCP, Azure, and AWS with a proven track record of improving deployment times by up to 50%, enhancing system reliability by 40%, and implementing cost-saving strategies. Adept at leveraging IaC tools (Terraform, Pulumi), container orchestration (Kubernetes, Docker), and GitOps methodologies to deliver high availability, security, and performance-driven systems.

WORK EXPERIENCE

Intellisoft Technologies **Dallas, Texas**

DevOps Engineer *Aug 2024 - Present*

- Engineered Terraform modules for provisioning virtual machines, networking components, and storage services across GCP, Azure, and AWS, resulting in an 80% reduction in infrastructure provisioning time and consistent deployment across all environments.
- Streamlined deployment processes by integrating Jenkins, Argo CD, and GitHub Actions to automate CI/CD pipelines, resulting in a 40% increase in deployment frequency and a 60% reduction in lead time.
- Utilized Terraform to streamline infrastructure as code processes, reducing deployment time by 50% and achieving a cost savings of $50,000 per quarter.
- Established and maintained a secure secrets management system using Vault, leading to a 100% compliance rate with ISO 27001 and SOC 2 standards during quarterly security audits.
- Spearheaded the containerization of applications using Docker and deployment on GKE, resulting in an annual operational cost reduction of $200K and bolstering system reliability by 30%, driving increased efficiency within the infrastructure.
- Orchestrated optimization of multi-region Kubernetes clusters on GKE with auto-scaling and load balancing features, achieving a substantial 55% cost savings while maintaining exceptional system availability of 99.99%.

University of North Texas **Dallas, Texas**

DevOps Engineer *Jan 2023 - May 2024*

- Developed custom scripts to automatically scale Kubernetes clusters based on resource utilization, resulting in a 40% reduction in infrastructure costs while maintaining optimal performance levels.
- Collaborated with cross-functional teams to integrate monitoring tools into the IaC pipeline, resulting in a 35% improvement in system performance and a 15% reduction in downtime incidents.
- Streamlined deployment processes by utilizing containerization technology, decreasing deployment times by 50% and improving overall efficiency.
- Spearheaded the overhaul of legacy CI/CD processes by implementing Jenkins-based pipelines, resulting in a 30% reduction in deployment failures and a 15% increase in overall system uptime.
- Conducted thorough security audits on a monthly basis, identifying vulnerabilities and implementing patch management strategies, resulting in a 45% decrease in security incidents.

Cognizant Technology Solutions **Chennai, India**

DevOps Engineer *Aug 2021 - Aug 2022*

- Automated CI/CD pipelines for Kubernetes deployments utilizing GitOps principles with Argo CD, resulting in a 40% reduction in deployment time and ensuring seamless consistency across all environments.
- Migrated critical workloads to GCP, achieving a 50% reduction in disaster recovery downtime and improving system reliability.

- Utilized Jenkins plugins and scripts to enhance system monitoring and alerting capabilities, reducing downtime by 70% and increasing system reliability by 55%.Implemented monitoring and alerting tools such as Prometheus and Grafana, enhancing system visibility and reducing MTTR by 35%.
- Programmed a robust CI/CD pipeline using Jenkins and GitLab to automate the deployment process, resulting in a 75% reduction in time spent on manual deployments, saving the team over 100 hours per month.

EduRun Private Limited **Hyderabad, India**

DevOps Engineer *Aug 2019 - Aug 2021*

- Transcribed automated testing processes for Terraform modules, resulting in a 40% increase in deployment efficiency and a 20% reduction in production bugs.
- Developed and implemented automated CI/CD pipelines utilizing Cloud Build and Argo CD, reducing deployment times by 50% and increasing overall development efficiency.
- Migrated outdated legacy systems to microservices architecture on Google Cloud Platform, improving system scalability and reducing annual costs by $100K
- Orchestrated the migration of legacy applications to containerized environments using Docker and Kubernetes, resulting in a 50% reduction in deployment time and increased scalability by 45%.
- Designed disaster recovery solutions on GCP, achieving 99.95% availability and ensuring uninterrupted business continuity during outages.

SKILLS & INTERESTS

Cloud Platforms: GCP, AWS, Azure.

Containerization: Docker, Kubernetes, GKE, EKS, AKS.

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

Infrastructure as Code: Terraform, Pulumi, CloudFormation.

Security and Compliance: SonarQube, HashiCorp Vault.

Monitoring & Observability: Prometheus, Grafana, ELK Stack, Datadog, New Relic.

Networking: VPC, Load Balancing, Cloud NAT

Programming Languages: Java, Python, Go, Bash

EDUCATION

University of North Texas **Denton, Texas**

Master of Science in Computer Science