Sai Venkatesh Anasuri

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PROFILE SUMMARY

Experienced DevOps Engineer with 5+ years of managing, designing and implementing automated solutions for application deployment and infrastructure management on Cloud Platform GCP and AWS. Demonstrated success in reducing deployment times by up to 40%, enhancing system reliability by 25%, and boosting team productivity by 35%. Skilled in leveraging GCP services like Google Kubernetes Engine (GKE), Cloud Build, and Cloud Run, with a strong focus on infrastructure as code (IaC) using Terraform, CI/CD pipeline automation, and containerization strategies to streamline cloud operations.

SKILLS

Cloud Platform: Google Cloud Platform (GCP), Amazon Web Services (AWS).

Containerization: Docker, Kubernetes, Google Kubernetes Engine (GKE) ,EKS.

CI/CD Tools: Jenkins, Google Cloud Build, Argo CD, SonarQube.

Infrastructure as Code: Terraform, Pulumi.

Version Control: Git, GitHub, GitLab

Configuration Management: Ansible

Networking: VPC, Load Balancing, Cloud NAT

Collaboration Tools: JIRA, GitHub Projects

Programming Languages: Java, Python, Go.

Observability and Monitoring: Prometheus, Grafana, Dynatrace.

Data serialization languages: JSON, YAML.

WORK EXPERIENCE

University of North Texas **Denton, Texas**

DevOps Engineer *Jan 2023 - May 2024*

- Designed and executed a comprehensive cloud migration plan, resulting in a 50% reduction in downtime during disaster recovery scenarios and ensuring seamless business continuity.
- Developed and managed a cloud-based incident response system, enhancing application availability by 30% and decreasing mean time to resolution (MTTR) by 40%.
- Collaborated closely with cross-functional teams to integrate automated testing practices into CI/CD pipelines, leading to a 25% decrease in deployment time and a 15% increase in deployment frequency.
- Set up and managed Grafana dashboards that visualize metrics collected by Prometheus, ensuring they provide actionable insights into system performance, resource utilization, and application health.
- Maintained Kubernetes Cluster in Multiple Regions and with help of Load Balancing Techniques cost for GKE brought down to minimal and reduced 55% of the billing cost.
- Implemented techniques for maintaing Department Infrastructure with IaC tools and with use of modules easily upgraded ,switched Infrastructure across multiple cloud providers .

Cognizant Technology Solutions **Chennai, India**

Programmer Analyst *Aug 2021 - Aug 2022*

- Reduced lead time by up to 60% by implementing automated CI/CD pipelines on GCP, facilitating faster development cycles and more frequent deployments.

- Automated Git push triggers for Jenkins builds, cutting down manual processes by 75% and enhancing build efficiency by 50%, resulting in a streamlined and accelerated development pipeline on GCP.
- Implemented GitOps practices with Argo CD to automate and manage Kubernetes deployments, achieving a 40% reduction in deployment time and enhancing consistency across environments.
- Streamlined deployment processes using Docker, Kubernetes, and Argo CD, resulting in improved system scalability and reliability through automated rollbacks and continuous sync.
- Leveraged Argo CD's declarative approach for continuous delivery on GKE, enabling rapid, version-controlled rollouts and improving overall system resilience with minimal downtime.
- Created comprehensive team documentation, reducing errors by 50% in the first month by clarifying processes and promoting adherence to best practices.

EduRun Private Limited **Hyderabad, India**

Devops Engineer *Aug 2019 - Aug 2021*

- Established version management for a polyglot setup using tools like sdk and nvm, ensuring consistent language and dependency versions across environments, which minimized compatibility issues and improved deployment stability.
- Automated routine tasks in GCP production environments using Python and Bash scripting, reducing manual workload by 40% and cutting errors by 25%, driving efficiency in cloud operations.
- Implemented DevOps best practices across 2 GCP production projects, achieving a 35% increase in deployment efficiency and a 40% reduction in lead time.
- Established robust CI/CD pipelines with Cloud Build and Argo CD, integrated automated testing and monitoring, and cultivated a collaborative environment between development and operations teams, significantly enhancing project delivery and performance.
- Automated Infrastructure using Terraform and provisioned Infrastructure depending on each project.

INTERESTS

Continuous Learning: Keeping up-to-date with emerging cloud technologies and DevOps practices.
Open Source Contributions: Participating in and contributing to open source projects related to DevOps and cloud computing.
Automation & Optimization: Passionate about automating processes to improve efficiency and reduce manual intervention.
Community Engagement: Actively participating in tech meetups, webinars, and forums to share knowledge and learn from others.
Cloud Security: Exploring best practices for securing cloud infrastructures.

EDUCATION

University of North Texas **Denton,Texas**

Master of Science in Computer Science *Graduation Date: May 2024*