**Siddavatam Mani Prasad**

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**CAREER OBJECTIVE:**

To work as a DevOps Engineer in environment growth for my career which leads to further growth in my professional skills and personal satisfaction by utilising my skills and ability to work for the growth of an organisation.

**PROFILE SUMMARY:**

* Engineered robust CI/CD pipelines using Jenkins, reducing deployment time by 30%

and minimizing manual errors, leading to faster and more reliable releases.

* Automated the end-to-end application deployment lifecycle, from code compilation to production deployment, achieving 99.9% deployment success rate.
* Deployed infrastructure using Terraform, standardizing and automating infrastructure

provisioning, resulting in 40% faster deployment times and improved scalability.

* Streamlined infrastructure provisioning with Jenkins pipelines, reducing setup times

by 25%.

* Managed and Enhanced AWS services such as IAM, VPC, EC2, S3, RDS, ELB, and
* Auto Scaling Groups to ensure 99.95% uptime and 20% cost savings through

resource optimization.

* Implemented S3 bucket versioning and cross-region replication, improving disaster

recovery capabilities by 50%.

* Built Docker containers and images, optimizing container builds and reducing image

size by 30% using multi-stage builds.

* Orchestrated Kubernetes clusters, leveraging rolling updates, auto-scaling, and load

balancing to enhance application performance and reduce downtime by 20%.

* Configured Kubernetes resources (Pods, Deployments, Services, and Ingress),

enabling 20% faster application rollouts.

* Deployed monitoring solutions with Prometheus and Grafana, reducing

troubleshooting time by 35% and providing real-time performance insights.

* Actively contributed to knowledge-sharing sessions, provided technical guidance to team members, and fostered a culture of innovation in DevOps practices.
* Conducted regular system audits and implemented security best practices, achieving

100% compliance with industry standards and reducing vulnerabilities by 20%.

* Automated repetitive tasks using Ansible, reducing manual interventions by 30% and

achieving consistent configuration across all environments.

**TECHNICAL SKILLS:**

* **Version Control Systems** - Git, GitHub
* **Build Tools** - Maven
* **CI/CD Tools** - Jenkins
* **Containerization & Orchestration** - Docker, Kubernetes
* **Infrastructure as Code (IAC)** - Terraform
* **Configuration Management Tools** - Ansible
* **Monitoring & Visualization** - Prometheus & Grafana
* **Operating Systems** - Linux (Ubuntu)
* **Cloud Platforms** - AWS (IAM, VPC, EC2, S3, RDS, ELB, Auto Scaling, ECS,ECR, Code Pipeline, Elastic Beanstalk, Route 53)

**Professional Experience:**

1. **DevOps Engineer**

* Project : GENX
* Company : Capgemini
* Duration : October 2022 - present
* Environment : AWS Cloud, Git, Jenkins, Docker, Kubernetes, Terraform

1. **Devops Intern**

* Company : Capgemini
* Duration : April 2022 – June 2022

**ROLES & RESPONSIBILITIES:**

* Designed and maintained CI/CD pipelines using Jenkins to automate code

compilation, testing, and deployment, improving efficiency and reducing manual

effort.

* Managed Jenkins jobs for end-to-end application deployment, ensuring seamless

integration and delivery of code changes.

* Created and Optimized Docker Files with multi-stage builds, reducing image size and

enhancing performance.

* Scanned and secured container images using Snyk, ensuring compliance with security

standards.

* Orchestrated Kubernetes clusters to deploy and manage containerized applications,

ensuring high availability and scalability.

* Configured Kubernetes resources like Pods, Deployments, Services, Ingress, PV, and

PVC, following best practices.

* Established Namespaces to isolate services and environments, improving resource

management and security.

* Troubleshot and resolved Kubernetes issues at pod and node levels, achieving 99%

application uptime.

* Implemented monitoring with Prometheus and Grafana, enabling real-time

performance tracking and data-driven decisions.

* Collaborated with development and operations teams to streamline release cycles and

optimize the SDLC.

* Deployed and managed AWS infrastructure (EC2, S3, VPC, ELB, Auto Scaling Groups) using Terraform, ensuring reliability and cost efficiency.

**CERTIFICATION:**

* AWS Certified Cloud Practitioner
* Google Cloud Certified Associate Cloud Engineer
* Google Cloud Certified - Professional Cloud Developer
* AWS Certified Cloud Architect

**EDUCATION:**

* Sri Venkateshwara College of Engineering, Tirupati, Andhra Pradesh

**PERSONAL DETAILS:**

* Name : Siddavatam Mani Prasad
* Date of Birth : 20-04-2000
* Gender : male
* Languages : English, Telugu

**DECLARATION:**

I hereby declare that the above information is true to the best of my knowledge and belief and request to give me an opportunity to serve in your esteemed organisation.

S. Mani Prasad

Bangalore