

Sai Krishna Pendurthi

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Profile Summary

Senior SRE & DevOps Engineer with 8+ years of experience in automating, securing, and scaling distributed systems. Expert in **Infrastructure as Code (IaC)** and **CI/CD** workflows with a focus on high-availability and disaster recovery. Proven track record of reducing MTTR through observability-driven automation and managing production-grade Kubernetes clusters across AWS and VMware environments.

Technical Skills

- **DevOps & Automation:** Terraform, Ansible, GitLab CI/CD, Jenkins, Shell Scripting, Python.
- **SRE & Observability:** Prometheus, Grafana, ELK Stack, SLIs/SLOs, Error Budgets, Blameless Postmortems.
- **Cloud & Orchestration:** Kubernetes (EKS), AWS (EC2, S3, Route53), VMware vSphere, DigitalOcean.
- **Systems & Security:** Linux Internals, Disaster Recovery, Production Defense, Zero Trust principles.

Professional Experience

Site Reliability Engineer | Feb'25 – Present | Zzazz AI | Bangalore

- **Automation:** Developed automated incident response workflows that reduced manual intervention by 40%.
- **Reliability:** Led systemic reliability improvements for distributed AI services, ensuring high uptime during scaling phases.
- **Disaster Recovery:** Managed critical recovery operations following a security breach, implementing automated backup validation to ensure data integrity.
- **Designed and implemented observability frameworks** using Prometheus and Grafana, improving proactive issue detection and reducing incident response time by 50%.
- **Designed and implemented production-grade backup validation and disaster recovery framework**, improving system resilience against data corruption and malicious deletion scenarios.
- **Architected highly available, horizontally scalable cloud infrastructure** handling high-throughput workloads with fault isolation across failure domains.

Software Engineer 3 | Dec'23 – Aug'24 | Broadcom (Acquired VMware) | Bangalore

- **Infrastructure as Code:** Spearheaded the transition to a fully automated Terraform-based multi-cloud deployment model across AWS and VMware.
- **CI/CD Optimization:** Re-engineered deployment pipelines, increasing deployment frequency by 60% while maintaining strict stability standards.
- **Scalability:** Managed and optimized large-scale Kubernetes environments, focusing on cost-efficiency and resource auto-scaling.

Member of Technical Staff 2 | Oct'21 – Dec'23 | VMware | Bangalore

- Deployed and managed **Kubernetes clusters** to support mission-critical applications, ensuring 99.9% uptime.
- Automated cloud infrastructure management with **Terraform** and Ansible across AWS and VMware environments.
- Reduced cloud costs by optimizing resource utilization and proactive monitoring.

- Collaborated with cross-functional teams to improve system reliability and operational efficiency.

VMware – Technical Support Engineer

- Handled complex infrastructure escalations and advanced troubleshooting for enterprise cloud environments.
- Automated operational workflows, reducing manual effort by 40%.
- Mentored engineers on troubleshooting frameworks and reliability best practices.

Certifications

- AWS Certified Solutions Architect – Associate
- VMware Certified Implementation Expert (VCIX)
- VMware Certified Advanced Professional – Design & Deployment

Education

- **2017:B.Tech. (ECE Hons.)** | Lovely Professional University (LPU) | Jalandhar,Punjab
- Product Management - ISB