

Sudhakar Chundu

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SUMMARY

Highly proficient platform engineer with over 13 years of professional experience, specializing in orchestrating advanced GPU computing solutions, establishing robust cloud infrastructures, and integrating automation within CI/CD pipelines. Proven expertise in Kubernetes setup, AWS ecosystem deployment, and adopting strategic observability frameworks for enhanced system monitoring. Exceptional ability to lead multidisciplinary teams, optimize infrastructure costs, and maintain high system reliability.

EXPERIENCE

Distinguished Cloud AI Architect (HPC Platform Lead) | Trackonomy Systems

10/2023

- Built and led Infrastructure Engineering team from 0-6 members (Cloud, DevOps, Security, Networking, Databases); managed \$6M+ cloud budget across pharma, airlines, manufacturing, and healthcare clients
- Designed and operated Slurm-based GPU compute platform - 65 GPUs across 8 nodes using Slurm, Slinky (Slurm-on-Kubernetes), NVIDIA BCM; achieved 99.97% uptime for 12+ enterprise clients
- Reduced cloud costs 73% (\$10M-2.7M/year) through GPU utilization optimization, fair-share scheduling, and vendor consolidation; reduced Azure resources 8.7K-1.1K (87%)
- Integrated Slurm with Kubernetes orchestration; implemented hybrid scheduling, unified authentication, vcluster multi-tenancy, and telemetry pipelines for GPU workload isolation
- Implemented observability pipelines - unified 5 monitoring platforms into Datadog; built Prometheus/Grafana dashboards with custom GPU exporters; reduced issue resolution 90%
- Led SOC2, ISO 27001, HIPAA compliance using Vanta; implemented DevSecOps (Snyk, Veracode, OWASP ZAP); achieved zero critical findings in security audits
- Built CI/CD pipelines for 100+ applications using GitOps (ArgoCD), Azure DevOps, GitHub Actions; reduced deployment time 95% and production issues 90%
- Led SRE L3 operations - RCA, blameless postmortems, SLI/SLO definition, error budget tracking, on-call rotations; reduced MTTR 60% through automated remediation
- Architected real-time streaming with Apache Kafka/Flink; implemented Databricks (Jobs, Compute, Unity Catalog) for ML training and Delta Lake for ACID transactions

Head of Cloud Infrastructure, Security & DevOps | Tecra Systems Inc

03/2022 to 10/2023

- Managed Kubernetes (EKS, Fargate) clusters with Helm; implemented self-healing, auto-scaling, and Istio service mesh; reduced deployment time 70%
- Built observability stack improving system availability 65%; implemented DevSecOps (SonarQube, Veracode, JFrog Xray); led team of 5 DevOps engineers
- Designed DR plan reducing downtime 55%; implemented AWS Landing Zones for multi-tenant client deployments

Cloud & SRE Architect | Wipro Technologies - OSDU Data Platform

02/2020 to 03/2022

- Lead Infrastructure Architect for OSDU R3 Platform - deployed data ingestion platform with AWS; provisioned EKS/Fargate clusters using Terraform/CloudFormation
- Created 50+ Terraform modules (VPC, EKS, RDS, S3, API Gateway); implemented GitOps (FluxCD), KEDA autoscaling, Istio service mesh
- Implemented multi-tenant AWS Landing Zones using Organizations and SCPs; achieved 35% downtime reduction and 40% scalability improvement
- Built Prometheus/Grafana/ELK observability; implemented DevSecOps (Snyk, SonarQube, Datadog, WAF); authored documentation improving team efficiency 30%

NTT Data - Harvard Pilgrim Healthcare (Jul 2018 - Jan 2020)

- Architected AWS cloud migration for healthcare applications; implemented HIPAA, PCI, GDPR, SOC2, FedRAMP compliance with WAFv2
- Built Jenkins/Ansible CI/CD pipelines; implemented DevSecOps (HashiCorp Vault, SonarQube, OWASP); designed DR with business continuity

TCS - CNA Insurance, Cloud Senior Engineer (May 2015 - Jun 2018)

- Managed Kubernetes/Helm deployments on AWS; built reproducible K8s applications; automated provisioning with Ansible playbooks

TCS - PwC, Solutions Architect (May 2011 - Apr 2015)

- Led team activities and engagement proposals; integrated Chef/Jenkins deployment pipelines; migrated VMware VMs to AWS (EC2, S3, ELB)

TCS - Verizon & Owens Corning, Middleware Engineer (May 2007 - May 2011)

- WebSphere/WebLogic administration, clustering, performance tuning; Linux/Solaris systems administration; SSO implementation with CA SiteMinder

EDUCATION

Bachelor of Engineering, Mechanical Engineering | Acharya Nagarjuna University

2005

SKILLS

HPC & GPU Computing	SRE & Operations	Container Orchestration
Cloud Platforms (Azure, AWS, OpenStack)	Infrastructure Automation	Security & Compliance (SOC2, ISO 27001, HIPAA)

CERTIFICATES

- AWS Solutions Architect
- Certified Kubernetes Administrator (CKA)
- ITIL v3 Foundation