

SANDEEP VANGALA

STAFF SITE RELIABILITY ENGINEER | PLATFORM ENGINEERING | CLOUD INFRASTRUCTURE & SECURITY

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PROFESSIONAL SUMMARY

Staff Site Reliability Engineer with 10+ years of experience building secure, reliable cloud platforms across GCP, AWS, Kubernetes/OpenShift and Terraform. Known for applying automation and AI to transform complex infrastructure and operational challenges into scalable platforms, intelligent self-service and secure engineering workflows.

EXPERIENCE

Staff Site Reliability Engineer | [Intuit Credit Karma](#)

Charlotte, NC | Aug 2022 - Present

- Architected an event-driven self-service platform using Next.js, Django/Python, Celery and GCP Pub/Sub to automate Terraform workspaces, Kubernetes resources and cloud projects; reduced fulfillment turnaround by ~60% for pre-approved requests.
- Built a VPC Service Controls remediation workflow that correlates GCP logs, guides troubleshooting in Slack, creates Jira requests and generates remediation pull requests to reduce manual handoffs.
- Engineered a threat landscape platform combining trust-model data and external threat intelligence, with AI-assisted attack-path analysis and Google ADK-based project/resource investigation.
- Established Kubernetes and GCP policy-as-code guardrails with OPA Gatekeeper (Rego), Terraform Sentinel and time-bound, auditable exception workflows.
- Developed an IaC pull-request review agent that evaluates internal standards, infrastructure context, risk signals and vulnerability data earlier in the secure SDLC.
- Built scheduled Python ETL pipelines to normalize trust-model and threat-intelligence data from MITRE ATT&CK, Anomali and other sources into SQL with daily refreshes.
- Designed a reusable Google ADK + MCP agent framework integrating New Relic and Splunk for platform/security troubleshooting and self-service support.

Principal Infrastructure Engineer | [Discover Financial Services](#)

Remote / Memphis, TN | Oct 2020 - Aug 2022

- Led design and operations of AWS/OpenShift infrastructure for internal web and mobile services; automated cluster provisioning across AWS and vSphere with Terraform, Ansible and Jenkins.
- Built Go-based OpenShift operators with Operator SDK for service onboarding and on-demand cloud resource provisioning through Kubernetes-native APIs.
- Implemented Red Hat Advanced Cluster Management and GitOps governance across the OpenShift fleet for centralized lifecycle and configuration consistency.
- Engineered readiness/liveness validation in Go with GoBDD and Terratest before production handoff to reduce configuration-related risk.

Senior DevOps Engineer | [Idea Evolver](#)

Remote / Memphis, TN | Jul 2020 - Oct 2020

- Stabilized Docker and GKE delivery environments by applying repeatable CI/CD standards and platform controls.
- Built Terraform + Helm automation for GCP infrastructure and Kubernetes deployments, replacing ad hoc console changes with version-controlled provisioning.
- Integrated Google Secret Manager into CI/CD workflows to centralize credentials and reduce secret exposure.

Lead Release Engineer | [Hilton Worldwide](#)

Memphis, TN | Feb 2016 - Jun 2020

- Led Bamboo-to-GitLab CI/CD migration across application portfolios, consolidating delivery tooling and standardizing release workflows.
- Built GitLab pipelines and deployment automation for OpenShift microservices and static assets on Akamai NetStorage and Amazon S3.
- Supported production reliability and performance using Dynatrace, Datadog and Splunk; implemented synthetic monitoring for critical application journeys.
- Built performance-testing automation for microservices with Python/Grinder and helped drive monolith-to-microservices delivery practices using 12-factor principles.

KEY ACHIEVEMENTS

~60% Faster Fulfillment

Architected event-driven self-service provisioning that replaced manual Jira handoffs for pre-approved infrastructure requests.

AI Threat Landscape Platform

Connected trust-model and threat-intelligence data to resources, attack paths and AI-guided investigation for security decision support.

Unified Policy-as-Code

Standardized Gatekeeper/Rego, Terraform Sentinel and governed exception workflows for cloud and Kubernetes guardrails.

Infrastructure Assist Agent

Integrated New Relic, Splunk and knowledge retrieval through ADK/MCP for guided troubleshooting and lower triage overhead.

TECHNICAL SKILLS

Cloud & Platforms

GCP, AWS, Kubernetes, GKE, OpenShift, Linux

Software & Data

Python, Go, TypeScript, JavaScript, Next.js, React, Django, FastAPI, SQL, PostgreSQL

Automation

Terraform, Ansible, Helm, Docker, Jenkins, GitLab CI/CD, GitOps, Celery, GCP Pub/Sub

AI & Security

Google ADK, MCP, RAG, LangGraph, LangChain, Langfuse, LLM agents, OPA Gatekeeper (Rego), Terraform Sentinel, Wiz, IAM, VPC-SC, GCP Org Policies, secure SDLC

Observability

New Relic, Splunk, Dynatrace, Datadog, SLOs, synthetic monitoring, incident response

AWARDS & RECOGNITION

Employee Excellence Performance (EIP)

Credit Karma - 2023 & 2024

President's Award

Discover Financial Services - 2021

EDUCATION

Master's - IT Management

Campbellsville University | 2019-2020

Master's - Electrical Engineering

Wichita State University | 2014

Minor: Computer Networking

Bachelor's - Electrical Engineering

Vellore Institute of Technology | 2008-2012

INTERESTS

Work

Responsible AI & AI guardrails; AIOps; MLOps

Gaming

Population: One VR (Professional player)

LANGUAGES

English | Telugu | Hindi