

Sandeep Vangala

STAFF SITE RELIABILITY ENGINEER | PLATFORM ENGINEERING | CLOUD INFRASTRUCTURE

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PROFESSIONAL SUMMARY

Staff Site Reliability Engineer with 10+ years of experience building and operating secure, reliable platform services across GCP, AWS, Kubernetes/OpenShift, and Terraform. Applies distributed systems, data engineering, observability, and AI-enabled automation to accelerate service delivery, strengthen security controls, and reduce operational overhead in financial-services environments.

TECHNICAL SKILLS

Cloud & Platforms: GCP, AWS, Kubernetes, GKE, OpenShift, VPC Service Controls, IAM, GCP Organization Policies, Linux

Software & Data: Python, Go, TypeScript, JavaScript, Next.js, React, Django, FastAPI, SQL, PostgreSQL

Automation & Messaging: Terraform, Ansible, Helm, Docker, Jenkins, GitLab CI/CD, GitOps, Celery, GCP Pub/Sub

Security & AI: OPA Gatekeeper (Rego), Terraform Sentinel, Wiz, policy as code, secure SDLC, Google ADK, MCP, RAG, LLM agents

Observability & Reliability: New Relic, Splunk, Dynatrace, Datadog, SLOs, synthetic monitoring, incident response

PROFESSIONAL EXPERIENCE

Staff Site Reliability Engineer | Intuit Credit Karma | Charlotte, NC

Credit Karma: Aug 2022 - Present | Staff SRE since 2026

- Architected a distributed self-service platform console with Next.js, Django/Python, Celery, and GCP Pub/Sub, automating Terraform workspaces, Kubernetes resources, cloud infrastructure, and cloud projects. Replaced Jira intake with event-driven, zero-touch fulfillment for pre-approved requests, reducing turnaround time by approximately 60%.
- Designed an end-to-end VPC Service Controls (VPC-SC) remediation service that correlates GCP logs, provides guided troubleshooting through Slack, creates Jira requests with one click, and automatically generates remediation pull requests, unifying detection, troubleshooting, and remediation while reducing manual handoffs.
- Engineered a threat landscape platform that correlates trust-model data with external threat intelligence, applies AI to map threats to affected resources, and embeds a Google ADK chatbot for project- and resource-specific investigation.
- Developed scheduled Python ETL pipelines that normalize spreadsheet-based trust-model data and threat intelligence from MITRE ATT&CK, Anomali, and other sources into a SQL data store, keeping threat views current through daily refreshes.
- Established a policy-as-code framework for Kubernetes and GCP using OPA Gatekeeper (Rego) and Terraform Sentinel, standardizing platform guardrails and enabling time-bound, auditable exception management.
- Developed an IaC pull-request review agent that evaluates code against internal standards, infrastructure context, risk signals, and vulnerability data, shifting the detection of misconfigurations and vulnerabilities earlier in the secure SDLC.
- Implemented New Relic and Splunk alerting for application, infrastructure, and security-control signals, including response latency, CPU and memory utilization, pod restarts, policy overrides, and guardrail failures, enabling earlier detection and faster response.
- Designed a reusable AI agent framework using Google ADK and MCP to standardize platform and security support workflows and expand self-service troubleshooting across engineering teams.

Principal Infrastructure Engineer | Discover Financial Services | Remote / Memphis, TN

October 2020 - August 2022

- Led design and operations for an AWS/OpenShift platform supporting internal web and mobile services, standardizing application onboarding and production support in a regulated financial-services environment.
- Automated repeatable OpenShift cluster provisioning across AWS and vSphere with Terraform, Ansible, and Jenkins, replacing manual infrastructure and day-2 configuration steps.

Principal Infrastructure Engineer | Discover Financial Services (continued)

- Built Go-based OpenShift operators with the Operator SDK to automate 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, improving configuration consistency and centralized lifecycle management.
- Engineered readiness and liveness tests in Go with GoBDD and Terratest, validating cluster services before production handoff and reducing configuration-related risk.

Senior DevOps Engineer | Idea Evolver | Remote / Memphis, TN

July 2020 - October 2020

- Stabilized Docker and GKE delivery environments by applying CI/CD standards and repeatable platform controls.
- Built Terraform and Helm automation for GCP infrastructure and GKE deployments, replacing ad hoc Console changes with version-controlled provisioning.
- Integrated Google Secret Manager into CI/CD workflows, centralizing credentials and reducing secret exposure across deployment tooling.

Lead Release Engineer | Hilton Worldwide | Memphis, TN

February 2016 - June 2020

- Led migration from Bamboo to GitLab CI/CD across multiple 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, improving release repeatability.
- Provided production reliability and performance support using Dynatrace, Datadog, and Splunk to analyze KPIs, troubleshoot incidents, and improve service stability.
- Implemented Dynatrace synthetic monitoring for critical application journeys, enabling proactive detection before failures affected customers.

AWARDS & RECOGNITION

- Employee Excellence Performance (EIP) Award, Credit Karma - 2023 and 2024
- President's Award, Discover Financial Services - 2021

EDUCATION

Master's in Information Technology Management - Campbellsville University | Kentucky | 2019 - 2020

Master's in Electrical Engineering; Minor in Computer Networking - Wichita State University | Wichita, KS | 2014

Bachelor's in Electrical Engineering - Vellore Institute of Technology | Vellore, India | 2008 - 2012