Rohit Gudi
Senior DevOps Engineer

GitHub: https://github.com/caretak3r

Professional Summary:

I am a Senior DevOps Engineer with 8+ years of industry experience. My expertise lies in deploying robust, fault-tolerant, and highly-available infrastructure solutions. With a proven track record of leading transformative initiatives, I specialize in Docker, GNU/Linux, Cloud Security, and innovative orchestration. I thrive in fast-paced environments and continually strive for operational excellence.

Skills:

DevOps	Jenkins, DevOps,vGitLab,Codefresh, Kubernetes, Docker, Vagrant, CloudFormation/CDK, Terraform/tfcdk, Ansible, GitHub Actions, distroless, GitLab
Databases and ETL	MSSQL, PostgreSQL, MySQL, ElasticSearch, DynamoDB, Redshift, Snowflake, Databricks, NoSQL (DynamoDB, MongoDB)
Languages	Python3, Javascript, nodejs, Golang, Shell
Cloud Infrastructure	Amazon Web Services (AWS), Microsoft Azure
Observability	Zabbix, Sysdig, Prometheus, Datadog, Grafana, SignalFx, New Relic, AppDynamics, AWS X-Ray, SumoLogic, Splunk, ELK, OpenTelemetry (otel)

Professional Experience:

Capital One | 07/2022 - Present
Principal DevOps Engineer/Software Engineer

- Engineered a reusable AWS Quicksight framework utilizing AWS Lambda (Python) and orchestrated with AWS Step Functions. Enabled seamless deployment and lifecycle management of Quicksight resources, enhancing Slingshot product feature promotion.
- Lead engineering efforts to commercialize a **data tokenization product** with a customer BYOC (bring your own kubernetes cluster) approach. Product now runs in any Kubernetes environment and is readily deployable by Helm.

- Authored AWS CDK projects to build and scaffold various kubernetes distributions in a fully air gapped environment. Now serves as the basis of our Kubernetes platform for commercializing internal products (for external customers).
- Developed and took ownership of building "platform agents", using wstunnel and written in Rust. This serves as a way to share our kubernetes clusters with customers, and maintain ownership and automatic configuration changes, using secure tunnels between Capital One and external customers.
- Automated AWS infrastructure deployments via Jenkins, promoting developer self-reliance, self-serviceable pipelines, and published clear documentation on usage.
- Championed SRE practices adoption across business units, emphasizing SLOs and SLIs for strategic engineering investments and improved user experience.
- Lead a team of experienced developers, driving serverless machine learning model deployment and training solutions.

Slalom | 09/2020 - 07/2022
Cloud Engineering/Cloud Enablement Consultant

Consulted for Salesforce:
- Orchestrated Yubikey architecture with FIDO-compliant Golang services. Created reusable dashboards and service metrics for efficient developer monitoring.
- Oversaw intricate cloud and hybrid solutions, prioritizing identity management and security.
- Integrated Mulesoft services into EKS via Spinnaker and managed infrastructure using Terraform.
- Sustained multi-region Java and Golang services for the support organization.

Consulted for Capital One via AWS Professional Services:
- Managed Kubernetes deployment and automation via Jenkins and Artifactory.
- Streamlined Terraform and script modularization into EKS pipelines for consistent deployment.
- Offered API Gateway, CloudFront, and AWS WAF expertise, focusing on management, automation, and resilient design.
- Implemented gRPC and REST services on multi-region ECS clusters using self-serviceable Jenkins pipelines.

Cadent | 05/2019 - 09/2020
Senior DevOps Engineer

- Initiated Terraform template standardization, deploying containerized modules via CI/CD pipelines.
- Led Cadent's AWS onboarding with focus on account structure, network optimization, and DNS services.
- Played a vital role in researching tools and demonstrating their organizational use.
- Showcased Datadog's capabilities and Docker's local development advantages.
- Automated production tasks with Ansible.
- Proficient in AWS serverless resources: Lambda, Kinesis, Fargate, AppSync.
- Led AWS microservices strategy with Kubernetes.
- Streamlined developer processes via helm chart templating and implemented multi-tenancy practices.

iCIMS | 03/2016 - 04/2019
Systems Engineer

- Email technology and postmaster expert, overseeing email services and initiatives.
- Successfully migrated 4,000+ customers to SparkPost, managing 60 million monthly emails with 98% delivery success.
- Spearheaded organization-wide communication transformation into a microservice.
- Enhanced email visibility by integrating internal telemetry and migrating to SparkPost.
- Drastically reduced complaints from 15% to under 2% during migration.
- Proficient in various monitoring tools, scaling Zabbix, Nagios, New Relic, and Akamai for 11,000+ web portals.
- Utilized Grafana for tailored dashboards and New Relic for user experience tracing.
- Orchestrated Docker-based microservice deployments, advising hybrid cloud patterns.
- Introduced Docker templates for production services and AWS microservices deployment roadmap.
- Led configuration management with Cloudformation and Ansible, built a "golden image factory," and contributed to global service-meshed networks in AWS and Azure.

Education:
B.S. Information Technology. New Jersey Institute of Technology, Newark, NJ