

# Rohit Gudi

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## SUMMARY

Highly accomplished Lead DevSecOps and Platform Engineer with over 9 years of experience in architecting, implementing, and securing robust, scalable, and highly available cloud-native infrastructure. Proven ability to lead transformational initiatives, seamlessly integrating security (“shift-left”) into CI/CD pipelines and the SDLC. Expertise in Kubernetes orchestration, cloud security (AWS, Azure), Infrastructure as Code (IaC), automation (Python, Bash, Go), and container security (Docker). Adept at fostering Site Reliability Engineering (SRE) practices and driving operational excellence in fast-paced, complex environments. Seeking to leverage deep technical skills and a security-first mindset to build and protect cutting-edge platforms.

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## EXPERIENCE

### Principal DevOps Engineer/SWE

#### Capital One

July 2022 - Present, McLean, VA

- Engineered a reusable serverless framework using AWS Lambda (Python) and Step Functions for Quicksight resource lifecycle management, incorporating secure IAM roles and data handling practices, reducing Quicksight setup time by 50%.
- Led the design and implementation of a Helm-based deployment strategy for a BYOC solution, ensuring secure configurations and integrating container vulnerability scanning, reducing customer onboarding time by 30%.
- Authored secure and reusable AWS CDK projects to scaffold multiple Kubernetes distributions in air-gapped environments, establishing a secure K8s platform for commercialized products.
- Championed the adoption of Site Reliability Engineering (SRE) practices, resulting in a 15% improvement in golden service reliability metrics.
- Spearheaded the development of a Direct-to-Consumer (DTC) product platform, focusing on Kubernetes-native deployments and developer experience.
- Architected and secured the software supply chain, including OCI artifacts, implementing robust security measures and best practices.
- Developed automated tooling for scanning Kubernetes environments for vulnerabilities and misconfigurations, enhancing overall security posture.
- Created and maintained Helm charts to enforce security best practices, hygiene, and prevent common security misconfigurations in Kubernetes deployments.
- Built and managed an internal platform for hosting and distributing open-source artifacts, streamlining developer access and improving efficiency.
- Deployed and managed robust SPIRE/SPIFFE ecosystem to ensure secure workload authentication and authorization within cloud-native applications across Capital One infrastructure, leveraging Kubernetes for enhanced security.
- Led the initiative to integrate SigStore projects for automating artifact signing and providing attestations, SBOMs (Software Bill of Materials), and other critical artifacts to customers.
- Focused on enhancing Kubernetes security and management, while empowering developers with automated tools for testing and deploying their products on Kubernetes.

### Cloud Engineering/Enablement Consultant

#### Slalom

September 2020 - July 2022, Philadelphia, PA

- Consulted for Salesforce:
- Orchestrated YubiKey FIDO-compliant authentication architecture using Golang microservices.
- Designed and implemented reusable monitoring dashboards (Grafana/Prometheus), reducing MTTR by 20%.
- Architected and managed secure cloud/hybrid solutions with secure identity management.
- Integrated Mulesoft services securely into EKS using Spinnaker CI/CD.
- Consulted for Capital One (via AWS Professional Services):
- Managed secure Kubernetes (EKS) deployment and automation with SAST/SCA scanning.
- Modularized Terraform scripts and achieved 95% deployment consistency.

- Provided expertise in secure configuration of API Gateway, CloudFront, and AWS WAF.
- Implemented gRPC and REST services on multi-region ECS clusters with automated security checks.

## Senior DevOps Engineer

Cadent TV

May 2019 – September 2020, Philadelphia, PA

- Standardized secure infrastructure deployment with reusable Terraform modules.
- Led Cadent's initial AWS environment setup with optimized network design.
- Championed the adoption of Datadog (improving monitoring by 60%) and Docker (reducing setup time by 75%).
- Automated critical production tasks using Ansible, saving 15 hours weekly.
- Architected and implemented AWS microservices strategy leveraging Kubernetes (EKS), Lambda, Kinesis, Fargate, and AppSync.
- Streamlined Kubernetes deployments with standardized Helm chart templates, improving reliability by 40%.

## Systems Engineer III

iCIMS

March 2016 – May 2019, Holmdel, NJ

- Led the migration of 4,000+ customers to SparkPost ESP with 98% delivery success.
- Served as the platform's "postmaster" and performed email domain and management duties.
- Re-architected communication systems into secure microservices on React and Java.
- Enhanced email security and reduced spam complaints from 15% to under 2%.
- Scaled and managed monitoring infrastructure for 11,000+ career web portals.
- Led configuration management using CloudFormation and Ansible, reducing server setup time by 50%.

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## EDUCATION

### B.S. Information Technology

New Jersey Institute of Technology • Newark, NJ • 2016

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## SKILLS

Technical Skills: Kubernetes, Amazon ECS, Istio, Python, Golang, Terraform, CloudFormation, Ansible, Jenkins, Rancher, Google Kubernetes, Azure Kubernetes, Amazon EKS

MSSQL, PostgreSQL, MySQL, ElasticSearch, DynamoDB, Redshift, Snowflake, Databricks, NoSQL (DynamoDB, MongoDB)

Python3, Javascript, nodejs, Golang, Shell

Amazon Web Services (AWS), Microsoft Azure

Zabbix, Sysdig, Prometheus, Datadog, Grafana, SignalFx, New Relic, AppDynamics, AWS X-Ray, SumoLogic, Splunk, ELK, Open Telemetry (otel)

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