

SIRISHA GARIKA

Youngstown, OH | +1(330) 651-7991 | Sirishagarika06@gmail.com | [Portfolio](#)

PROFESSIONAL SUMMARY

Results-driven DevOps Engineer with 3+ years of experience in CI/CD pipeline automation, cloud infrastructure (AWS, Azure, GCP), and containerized applications. Skilled in Terraform, Ansible, CloudFormation, Kubernetes (EKS, AKS, GKE), and DevSecOps practices to deliver secure, scalable, and resilient systems. Experienced in monitoring, observability, and SRE using Prometheus, Grafana, ELK, and CloudWatch, streamlining releases, enforcing shift-left testing, and accelerating feature delivery with high reliability.

TECHNICAL SKILLS

DevOps & CI/CD Tools: Jenkins, GitHub Actions, GitLab CI/CD, Azure DevOps, ArgoCD, Spinnaker, Tekton

Containerization & Orchestration: Docker, Kubernetes (EKS, AKS, GKE, OpenShift), Helm, Kustomize

Infrastructure as Code (IaC): Terraform, Ansible, AWS CloudFormation, Pulumi, Packer

Cloud Platforms: AWS (EC2, S3, IAM, EKS, Lambda, CloudFront, CloudFormation), Azure (AKS, Functions, DevOps, Monitor), GCP (GKE, Cloud Build, Pub/Sub)

Security & DevSecOps: SonarQube, Snyk, OWASP ZAP, Trivy, HashiCorp Vault, Aqua Security, Prisma Cloud, Checkov

Monitoring & Observability: Prometheus, Grafana, ELK/EFK Stack, Splunk, Datadog, New Relic, AWS CloudWatch, OpenTelemetry

Programming & Scripting: Python, Bash, Go, Groovy, Java, YAML, PowerShell

Messaging & Streaming: Kafka, RabbitMQ, Redis

Databases: MySQL, PostgreSQL, MongoDB, DynamoDB

Testing & Quality Automation: Selenium, JUnit, PyTest, Postman, Cypress, Robot Framework

Version Control & Collaboration: Git, GitHub, GitLab, Bitbucket, JIRA, Confluence

Professional Experience

Cloud Engineer-Intern

Jan 2024 - Jun 2025

Youngstown State University | IT Lab, Ohio

- Orchestrated deployment of cloud-native applications on AWS EC2, S3, and Lambda, improving scalability and increasing uptime by 25% during peak lab workloads.
- Standardized infrastructure provisioning using Terraform and Ansible, which reduced environment setup time by 50% and ensured consistent configurations across dev, test, and production.
- Managed Kubernetes clusters (EKS, Minikube) for containerized workloads, enabling auto-scaling and reducing service downtime for academic projects by 30%.
- Built and maintained GitLab CI/CD pipelines with integrated SAST/DAST scans, streamlining deployments and decreasing release errors by 30%.
- Implemented centralized monitoring and alerting using Prometheus, Grafana, and AWS CloudWatch, which accelerated issue detection and cut incident resolution time by 40%.
- Enforced cloud security using IAM roles, encryption, and role-based access, while scripting Python and Bash automation tasks that reduced manual maintenance by 15 hours monthly.

DevOps Engineer

May 2021 - Apr 2023

M3 Solutions | Hyderabad, India

- Streamlined delivery by designing Jenkins and GitLab CI/CD pipelines, which shortened build cycles and cut release time by 40%, enabling faster feature rollouts.
- Accelerated environment provisioning through Terraform and Ansible automation, ensuring consistent AWS setups across dev, test, and prod while reducing manual effort from days to hours.
- Improved system resilience by containerizing applications with Docker and deploying them on Kubernetes (EKS), which reduced downtime during peak usage by 30%.
- Raised security standards by integrating SonarQube, Snyk, and Trivy into CI workflows, blocking vulnerable code before release and lowering critical security incidents by 75%.
- Enhanced observability with Prometheus and Grafana dashboards and centralized logging in the ELK stack, which helped identify issues quickly and reduced MTTR from four hours to one.

- Increased deployment confidence by embedding Postman and PyTest automation in pipelines, which caught integration bugs early and cut production defects by 25%.
- Improved overall release quality by enforcing shift-left testing and quality gates, preventing unstable builds from advancing and raising deployment success rates from 85% to 97%.
- Supported Agile teams by collaborating with developers and SREs on deployment strategies and root cause analysis, which strengthened release reliability and incident recovery speed.

PROJECTS

Secure CI/CD Pipeline with DevSecOps Automation

- Developed a GitLab CI/CD pipeline integrating SonarQube, Snyk, OWASP ZAP, and Trivy to enforce automated security and code quality checks before deployments.
- Containerized microservices with Docker and deployed to Kubernetes (EKS) using Helm charts, achieving scalable and reliable production-ready environments.
- Implemented Terraform-based IaC to provision AWS resources and integrated JIRA automation, reducing manual configuration and accelerating incident resolution.

Cloud-Native Task Management Platform

- Built a MERN stack application with real-time collaboration using Socket.io and deployed on AWS EC2/S3 with IAM access controls for secure cloud hosting.
- Automated deployments through Docker and Jenkins pipelines, ensuring continuous integration and faster delivery of feature updates.
- Orchestrated containers on Kubernetes (EKS) with Prometheus and Grafana dashboards for monitoring API performance, cluster health, and resource utilization.

Cloud Infrastructure Automation & Monitoring

- Created Terraform modules to provision AWS resources (EC2, S3, VPC, EKS) with idempotent deployments, streamlining infrastructure management.
- Automated Kubernetes deployments with Helm, reducing manual errors and improving deployment speed across multiple environments.
- Configured Prometheus alerts with Slack notifications and implemented auto-scaling and tagging strategies, optimizing cost and maintaining high system reliability.

EDUCATION

Master of Science in Computing and Information Systems

Youngstown State University | Youngstown, OH

Aug 2023 - May 2025

Bachelor of Technology in Electrical and Electronics Engineering

Vasireddy Venkatadri Institute of Technology | Andhra Pradesh, India

Sep 2018 - May 2022

CERTIFICATIONS

- AWS Certified Cloud Practitioner
- IBM DevOps and Software Engineering Professional Certificate - **Coursera**
- Google Cloud Professional Cloud DevOps Engineer - **Coursera**
- AWS Certified DevOps Engineer - Professional - **Coursera**
- GitHub Foundations Certification - DataCamp