

Gokul Natarajan

DevOps Engineer

Baltimore, MD • (443) 517-8568 • gokulnatarajan1@gmail.com
www.gokulnatarajan.com • linkedin.com/in/gokulnat1 • github.com/gokulnatarajan1

SUMMARY

DevOps Engineer with 3+ years administering AWS and AWS GovCloud environments for federal and Navy programs, managing IAM, EKS, monitoring, and security services while automating infrastructure with Terraform, Ansible, and CI/CD pipelines.

SKILLS

DevOps	AWS, Terraform, Ansible, Docker, Kubernetes, Helm, GitLab, Jenkins, GitHub Actions, Vault, Vercel, Jira
Languages	Python, JavaScript (React, Next.js), Bash, SQL, C, C++
Testing	Playwright, Selenium, JMeter, pa11y-ci, Swagger, OpenTelemetry, Splunk, Datadog, EFK
Tools	Linux (RHEL, Ubuntu, Alpine), Apache Tomcat, Git, Claude Code, Nginx, npm, pip, Postman, Wireshark, VS Code

WORK EXPERIENCE

DevOps Engineer | Leidos

January 2025 – May 2026

DoD Army Contract

AWS GovCloud, Kubernetes (EKS), GitLab, Jenkins, Ansible, Playwright, pa11y-ci, JMeter, Jira

- Administered AWS GovCloud, managing IAM roles and policies, EKS clusters, and CloudWatch/Datadog monitoring.
- Reduced deployment times by 70% by automating build, test, and release stages in GitLab CI/CD.
- Reduced compliance risk by engineering pa11y-ci scans in GitLab that produce automated WCAG accessibility reports.
- Built Playwright testing on EKS, launching test pods from the pipeline to validate UI.
- Integrated SAST, DAST, SCA, and container security scanning into CI/CD pipelines as automated quality and security gates.
- Automated compliance report generation, providing continuous SOC 2 evidence for audit readiness.
- Hardened AWS hosted systems to STIG and DoD technical standards, remediating findings and mitigating vulnerabilities.

Cloud Engineer | IBR, LLC

August 2023 – November 2024

DoD Navy Contract

AWS GovCloud, GitLab, Terraform, Ansible, Red Hat Enterprise Linux, Tomcat, Elasticsearch

- Operated and maintained the My Navy Portal on AWS GovCloud, supporting millions of users in a Jira/Scrum environment.
- Provisioned and managed AWS dev and production environments end to end with Terraform and Ansible.
- Wrote Ansible playbooks and GitLab pipelines automating deployments, updates, and cert refreshes on RHEL servers.
- Managed TLS/SSL certificates and configured reverse proxies and load balancing across EC2 with AWS load balancers.
- Created a dashboard querying system software versions daily, giving teams shared visibility and streamlining coordination.
- Documented infrastructure, pipelines, and maintenance procedures in runbooks, streamlining onboarding and handoffs.

DevOps Associate | Axle Informatics

February 2023 – July 2023

AWS, Kubernetes, Docker, GitHub, Jenkins, Terraform, Ansible, EFK

- Built out a new AWS environment from the ground up, structuring IAM users, roles, and policies with AWS Config baselines.
- Secured AWS workflows with TLS, Shield, WAF, and Firewall Manager, reducing the environment's attack surface.
- Managed Jenkins and Vault user groups and access policies; maintained infrastructure as code with Terraform and GitHub.
- Onboarded centralized log monitoring with AWS CloudWatch, CloudTrail, and the EFK stack for the environment.

Software Engineer Intern | bwTech@UMBC

August 2022 – December 2022

React, Java, GitHub

- Developed REST APIs following security best practices and consistent coding standards.
- Debugged 20+ React components and wrote ORM logic for a SQL database backend.

PROJECTS

Scalable AWS Infrastructure & Deployment System

- Designed and provisioned AWS infrastructure with reusable Terraform modules, enabling repeatable environment creation.
- Built end to end CI/CD workflows automating deployments, with integrated logging and routing to speed incident response.
- Set up a self hosted GitLab home lab running extensive personal infrastructure, with my own configurations and all tools built as reusable modules.

NFL Pose Tracking Video Pipeline (OpenPose)

- Built an automated pipeline overlaying NFL players with real time skeletons and dynamic interaction lines using OpenPose.
- Extracted movement, speed, and spacing metrics to produce annotated highlight clips for coaches, analysts, and fans.

EDUCATION

B.S. in Computer Science | University of Maryland, Baltimore County (UMBC)

May 2023

Eligibility: US Citizen, Active Secret Clearance (Issued January 6, 2024)