

## NAVEEN R

### Senior Software Engineer | DevOps Engineer

Email: naveenramlu28@gmail.com | Phone: +91 9700779728 | Bengaluru, India

LinkedIn: linkedin.com/in/naveen-ramlu | GitHub: github.com/stackcuture

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### Professional Summary

Result-driven DevOps Engineer with **5+ years** of experience in cloud infrastructure, CI/CD automation and DevSecOps pipelines. Skilled in AWS, Kubernetes, Docker, and Terraform. Recently led independent projects focusing on DevSecOps and GitOps while expanding expertise in Azure and GCP. Focused on optimizing operational efficiency, security compliance and driving reliable multi-environment deployments

### Core Skills

**Cloud & Infrastructure:** AWS (EC2, S3, RDS, IAM, VPC, Route53, Auto Scaling, ALB, EBS, CloudWatch, CloudTrail, CloudFront, Secrets Manager, Security Groups, NACL, Site-to-Site VPN), Azure (VMs, Storage, Key Vault, VNet) and GCP (Compute Engine, Cloud Storage, IAM, VPC)

**Infrastructure as Code & Automation:** Terraform, Jenkins, GitHub Actions, GitLab CI, ArgoCD, Helm, Ansible, GitHub Copilot

**Containerization & Orchestration:** Docker, Docker Compose, ECS, Kubernetes (EKS), Istio Service Mesh, Cosign

**DevSecOps & Security:** Trivy, SonarQube, Snyk, Dependency-Track, SBOM Automation, OpenAI API Integration

**Monitoring & Observability:** Prometheus, Grafana, ELK/EFK, Loki, Jaeger

**Build & Version Control:** Git, GitHub, Maven, Nexus, Amazon ECR

**Scripting & Development:** Shell, YAML, NodeJS, Python, PHP, Groovy, JavaScript

**Databases:** MySQL, MongoDB

**Collaboration & Agile:** JIRA, Confluence, Scrum, Agile Workflows, Slack

**Operating Systems:** Linux (Ubuntu, RHEL, Amazon Linux), Windows

### Professional Experience

#### Prodapt Solutions Private Limited | Senior Software Engineer (DevOps) | Bengaluru, India | Oct 2021 – Nov 2024

- Enhanced CI/CD pipeline efficiency by 20% by revamping Jenkins workflows, integrating security scans (Trivy) and code quality checks (SonarQube), and streamlining build, test and release processes across all stages
- Containerized and maintained Docker-based applications for development, staging, and non-production, stabilizing environment reliability and reducing operational errors by 30%
- Managed Kubernetes workloads on EKS with rolling updates, autoscaling and monitoring, boosting system availability by 20% and enhancing release stability
- Provisioned AWS infrastructure including EC2, S3, IAM, Route 53, ALBs and Auto Scaling Groups incorporating health checks, failover routing, SSL/TLS configurations for secure and highly available deployments
- Executed Terraform-based provisioning of VPCs, S3 buckets, and EC2 instances, delivering stable, reproducible infrastructure through infrastructure-as-code practices
- Monitored CloudWatch and Grafana dashboards to isolate performance bottlenecks and sustain system reliability
- Oversaw Nexus Repository for Artifact storage and dependency management, guaranteeing consistent Maven builds and artifact lifecycle control
- Collaborated with developers and architects to refine CI/CD pipelines, standardize Terraform-based infrastructure and integrate monitoring and security tools checks, reducing release cycles by 20% and minimizing risks

#### Greenlantern IT Solutions Private Limited | Software Engineer | Hyderabad, India | Apr 2020 – Aug 2021

- Released applications on EC2 and hosted static assets on S3, securing highly availability through load balancing and scaling strategies
- Engineered ELB, Auto Scaling Groups, and CloudWatch monitoring, decreasing downtime by 30% and reinforcing overall system reliability
- Introduced Grafana dashboards and Route 53 DNS, refining observability and speeding up troubleshooting
- Set up CloudWatch alarms and SNS notifications to proactively alert on performance and security issues, shortening incident response time

## **Trianabot Technologies Private Limited | Software Engineer | Hyderabad, India | Dec 2018 – Mar 2020**

- Developed RESTful APIs using PHP and MySQL on AWS EC2, providing robust application delivery and high availability for clients
- Built and containerized high-performance RESTful APIs with Node.js and MongoDB, deploying on AWS EC2 for dependable and scalable application delivery
- Handled client applications on AWS EC2 with FTP deployments, ensured 99% uptime and optimized resource allocation per workload
- Configured Apache Tomcat on AWS EC2 to host Java-based web applications (WAR/JAR files), verified end-to-end application performance

## **Independent Projects | Bengaluru, India | Dec 2024 – Present**

- Architected CI/CD pipelines with Jenkins, Helm, ArgoCD, container signing, SBOM generation and AI-driven alerts, reducing deployment errors by 30% and expediting release cycles
- Supervised istio service mesh with mTLS, traffic management, and fault injection using Prometheus, Grafana and Jaeger to ensure resilient and observable microservices

## **Key Projects / GitHub**

### **DevSecOps & GitOps Automation - [GitHub Repository](#)**

- Designed end-to-end CI/CD pipelines using Terraform, Jenkins, Kubernetes (EKS), ArgoCD, and Helm, enabling zero-touch infrastructure provisioning and uniform multi-environment operations, advancing delivery timelines by 30%
- Integrated SBOM generation, vulnerability scanning (Trivy, Snyk), and Docker image signing (Cosign), hardening security compliance and reducing risks by 40%
- Curated container artifacts by publishing Docker images to AWS ECR and Maven builds to Nexus, ensuring version traceability and centralized management
- Implemented Slack and email notifications with AI-generated security reports, strengthening visibility and reducing mean incident response time by 40%

### **PHP Docker & AWS Secrets Manager – [GitHub Repository](#)**

- Dockerized PHP applications using Docker Compose, achieving full environment consistency between local and production setups, reducing environment-related issues by 90% and amplifying operational speed by 30%
- Safeguarded database credentials via AWS Secrets Manager, enforcing encrypted secret management and eliminating plaintext storage for full compliance

### **AWS Cloud Infrastructure Projects (Terraform) – [GitHub Repository](#)**

- Automated S3 static site provisioning using GitHub Actions with OIDC authentication, assuring secure, error-free execution and reducing manual effort by 40%
- Constructed reusable VPC modules with subnets, NAT gateways, route tables, and security groups, standardizing network architecture and solidifying scalability and security by 30%
- Completed EBS volume resizing in Terraform, reducing manual intervention by 50% while maintaining uninterrupted system performance
- Established cross-region VPN connection between VPCs using AWS Site-to-Site VPN, enabling secure communication between workloads in different regions and upholding high availability

### **AWS ECS DevOps Project – [Github Repository](#)**

- Spearheaded end-to-end CI/CD pipelines leveraging GitHub, Docker, Trivy, Snyk, and AWS ECR, automating secure image building, vulnerability scanning and delivery for production-grade deployments
- Orchestrated ECS infrastructure through Terraform for seamless, scalable and secure service deployment

## **Certifications**

- AWS Certified Solutions Architect – Associate (In Progress)
- Certified Kubernetes Administrator (CKA) (In Progress)

## **Education**

**Master of Science (M.Sc.) in Computer Science** | Gulbarga University, Karnataka | 2015