

NAVEEN R

Senior Software Engineer | DevOps Engineer

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Professional Summary

Results-driven DevOps Engineer with **4 years** of hands-on **DevOps experience** and a total of **5+ years in IT**, specializing in cloud infrastructure, automation, and CI/CD pipelines. Skilled in AWS, Kubernetes, Docker, and Terraform, with proven expertise in building secure, scalable, and automated deployment pipelines. Recently led independent projects focused on DevSecOps and GitOps adoption, while expanding cross-cloud proficiency across Azure and GCP. Passionate about enhancing operational efficiency, ensuring security compliance and delivering 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, Lambda, API Gateway), 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
- Implemented health checks, failover routing, and SSL/TLS configurations for DNS, enhancing application availability and security
- Collaborated with cross-functional teams to standardize DevSecOps practices and mentor junior engineers

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

- Developed RESTful APIs using PHP and MySQL, optimizing queries to reduce API latency by up to 40%
- 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
- Configured Apache Tomcat on AWS EC2 to host Java-based web applications (WAR/JAR files), verified end-to-end application performance

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

- Developed and maintained applications using PHP (CodeIgniter) and MySQL, ensuring robust performance, reliability, and seamless client integration
- Integrated third-party APIs such as payment gateways (PayPal, Razorpay) and shipping services for seamless transaction processing
- Designed, containerized and deployed high-performance RESTful APIs using Node.js and MongoDB, improving scalability and response efficiency
- Used cPanel and FTP tools for hosting, domain setup, DNS management and website deployment

Independent Projects | Bengaluru, India | Dec 2024 – Present

- Orchestrated end-to-end CI/CD pipelines integrating Jenkins, ArgoCD, Helm, and Terraform, achieving fully automated, secure, and auditable deployments
- Established DevSecOps automation with Trivy, Snyk and Cosign for container image signing, SBOM generation and vulnerability scanning
- Implemented GitOps-driven delivery with ArgoCD and GitHub Actions (OIDC), enabling declarative and version-controlled AWS infrastructure provisioning
- Engineered AWS cloud infrastructure with Terraform, automating S3 static hosting via GitHub Actions (OIDC), reusable VPC modules, and cross-region VPNs for secure, scalable provisioning
- Enhanced deployment resilience and observability by integrating Dockerized ECS workloads with Prometheus, Grafana, and Istio Service Mesh (mTLS, traffic shaping)
- Pursuing deeper expertise in GitOps, DevSecOps, multi-cloud (AWS, Azure, GCP) and advanced Kubernetes through continuous hands-on learning and open-source work

Key Projects / GitHub

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

- Architected end-to-end CI/CD pipelines using **Terraform, Jenkins, ArgoCD, Helm and EKS**, integrating **Trivy, Snyk and Cosign** for SBOM generation and container signing, with AI-based Slack/Email security alert automation

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

- Containerized PHP apps with **Docker Compose**, ensuring consistent environments and secure secret management via **AWS Secrets Manager**

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

- Automated **S3 site hosting, VPC modules, and cross-region VPN** using Terraform and GitHub Actions (OIDC), improving scalability, security and provisioning efficiency

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

- Delivered secure CI/CD pipelines with **GitHub Actions, Docker, Trivy, Snyk and AWS ECR**, deploying production-grade workloads via **Terraform-provisioned ECS**

Serverless Real-Time Weather App – [GitHub Repository](#)

- Designed an event-driven, serverless application using AWS Lambda (Python), API Gateway, and DynamoDB to fetch and store real-time weather data from OpenWeather API with secure IAM roles, CORS-enabled REST endpoints, and a scalable, zero-maintenance architecture

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