

Navneet Toppo



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📅 31 January, 1997

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CAREER OBJECTIVE

DevSecOps Engineer with a 3.5+ years of experience for automation and cloud technologies. Seeking a role where I can apply my expertise in CI/CD pipelines, container orchestration, and infrastructure as code to optimize development workflows and accelerate time-to-market

WORK EXPERIENCE

Sr. Research Associate - DevOps & K8s

Bengaluru, India

CloudThat

Jan-2022- Present

- Automated infrastructure deployment with Terraform, cutting provisioning time by 60% and ensuring consistency across environments.
- Developed and maintained a high-availability multi-tier application across AWS, Azure, and GCP, serving over 100K monthly users.
- Integrated Azure Active Directory for secure authentication and API access, enhancing compliance and reducing unauthorized access incidents.
- Designed and implemented 1000+ CI/CD workflows using Azure DevOps, CodePipeline, GitHub Actions, and Jenkins, improving deployment speed by 65% and increasing build success rates.
- Managed production-grade Kubernetes clusters on AKS, EKS, and OpenShift across multiple cloud providers, ensuring reliability for 20+ applications.
- Optimized containerized application deployments with ECS, Azure Container Instances, and Cloud Run, reducing infrastructure costs by 35%.
- Led version control best practices across GitHub, GitLab, Azure Repos, and Bitbucket, improving collaboration and code traceability in distributed teams.
- Embedded security tools like OWASP Dependency-Check, Trivy, SonarQube, and GitHub Advanced Security into CI/CD pipelines, reducing vulnerabilities by 70%.
- Implemented centralized logging solutions using ELK, OpenSearch, FluentD, and APM, enabling proactive production issue detection and cutting MTTR by 40%.
- Built performance monitoring dashboards with Prometheus and Grafana, enhancing system visibility and reducing alert response time by 35%.

TECHNICAL SKILLS

- **Cloud Platforms:** AWS, Azure, GCP
- **IaC and Config:** Terraform, Terragrunt, Ansible
- **CI/CD & DevOps:** Azure DevOps, GitHub Actions, AWS Code(Pipeline, Build), Jenkins, ArgoCD
- **DevSecOps & Security:** Trivy, Prisma Cloud, SonarQube, GitHub Advanced Security, OWASP Dependency-Check
- **Containerization & Orchestration:** Docker, Kubernetes, Amazon EKS, Azure AKS, Google GKE, OpenShift, MicroK8s
- **Version Control:** GitHub, Bitbucket, Azure Repos
- **Monitoring & Logging:** Prometheus, Grafana, ELK Stack, Fluentd, OpenSearch, APM, Jaeger

CERTIFICATION

- DevOps Engineer Expert
Microsoft Oct 2025
- Azure Administrator Associate
Microsoft Oct 2025
- Professional Cloud DevOps Engineer
Google Cloud Oct 2026
- Professional Cloud Architect
Microsoft May 2026
- Solutions Architect – Associate
AWS Sep 2026
- Cybersecurity Architect
Microsoft Jan 2023

PROJECTS

QCI

CloudThat 2025

Built a secure CI/CD pipeline using Azure DevOps to streamline the SDLC.

- Established comprehensive CI/CD & SecOps workflows for .NET, Java, Angular, and more.
- Eliminated manual changes and restricted developer access for enhanced security.
- Integrated SonarQube and Trivy to enforce left-shift security practices.
- Enabled seamless deployment across hybrid environments (Azure VM, Private EC2).
- Designed a branching strategy for multi-app stacks, improving multi-vendor collaboration.
- Reduced release cycle time by 30% through automation.

Technologies Used: Azure Portal, Azure DevOps, AWS, EC2, Azure VM, Sonar, Trivy, .Net, PHP, Js, .Net, Github, Azure Repo.

Gov. e-Commerce (NDA)

CloudThat 2025

Designed a cost-efficient CI/CD pipeline and infrastructure.

- Applied PR-based GitOps workflows with Terraform & Terragrunt for declarative infrastructure management.
- Streamlined infrastructure pull requests via Atlassian, while Jenkins and ArgoCD handled CI/CD automation.
- Automated Kubernetes deployments with ArgoCD and Helm for scalable EKS applications.
- Enforced security with SonarQube, Trivy, IAM role-based access, AWS Security Hub, and GuardDuty.

Technologies Used: Amazon EKS, EC2, Jenkins, Docker, GitHub, Terraform, Terragrunt, Jenkinsfile, Shared Pipeline Libraries, Jenkins Monitoring and Analytics Plugins, Atlassian.

Gov. Petroleum (NDA)

CloudThat 2024

Migrated on-premise workloads to AWS and secured CI/CD lifecycle.

- Migrated on-premise workloads to AWS and implemented a secure CI/CD lifecycle.
- Built automation using AWS CodePipeline, CodeBuild, and FluxCD on EKS.
- Embedded security with SonarQube, Twistlock, AWS Signer, Gatekeeper, and Raffy for compliance.
- Enhanced EKS performance via dynamic scaling and custom node groups.

Technologies Used: AWS CodeCommit, AWS CodePipeline, AWS CodeBuild, Amazon ECR, AWS Signer, Amazon EKS, FluxCD, SonarQube, Twistlock (Prisma Cloud), Terraform, FluentBit, Site24x7, Prometheus, Grafana, Jaeger.

Navneet TopTech

CloudThat 2023

Revamping AWS Infrastructure using IAC with Best Practices

- Transitioned to a containerized architecture, achieving 40% cost savings via private endpoints.
- Applied Terraform modules, AWS Config, and ECR for efficient provisioning.
- Built an optimized CI/CD pipeline managing 500+ deployments.
- Centralized logging and monitoring with ELK Stack for deep performance insights.

Technologies Used: Terraform, VPC, RDS Aurora Serverless, ECS, Elasticache, S3, CloudFront, MQ, CloudWatch, AWS Config, SNS, AWS Certificate Manager, ECR, CodeBuild, CodePipeline, ELK.

IRCTC-CRIS

CloudThat 2022

Creating and Deploying EKS Cluster with Best Practices

- Designed and deployed an Amazon Elastic Kubernetes Service (EKS) cluster using CloudFormation templates while ensuring adherence to best practices.
- Implemented comprehensive monitoring with Fluentd and AWS Container Insights for a well-managed Kubernetes environment.
- Established robust observability using AWS CloudWatch, enhancing visibility into cluster performance and health.

Technologies Used: Amazon EKS, EC2, AWS CloudFormation, Fluentd, AWS Container Insights, AWS CloudWatch, VPC, IAM

EDUCATION

— Master in Computer Application

Lovely Professional University *2024-26*
Pursuing *Jalandhar, India*

— Bachelor of Computer Application

Dr. Ambedkar College Nagpur *2017-20*
64.82% *Nagpur, India*

OPPORTUNITY & EXTRA EXP.

— Feeding Nation (NPO)

Mar 2019 - Present *Co-Founder*
Nagpur, India

— AWS PartnerEquip

Mar2025 *Bengaluru, India*

— Linux Foundation at Open-Source Summit + Embedded Linux Conference Europe.

Oct-2019 *France*

DECLARATION

I solemnly declare that all the above-mentioned information is free from error to the best of my knowledge and I bear the responsibilities for the correctness of the above-mentioned particulars.

Place : Bangalore, Karnataka, India

Date : 06 June 2025

[Navneet Toppo]