Navneet Toppo

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India
31 January, 1997
navneet-toppo
navneettoppo

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 using Terraform, reducing provisioning time by 60% and improving consistency across staging and production 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, improving identity management compliance and reducing unauthorized access incidents.
- Designed and implemented 1000+ CI/CD workflows using Azure DevOps, CodePipeline, GitHub Actions, and Jenkins, reducing deployment time by 65% and increasing build success rate.
- Deployed and managed production-grade Kubernetes clusters on AKS, EKS, and OpenShift across AWS, GCP, and Azure, improving service reliability for 20+ applications.
- Deployed scalable containerized applications using ECS, Azure Container Instances, and Cloud Run, reducing infrastructure costs by 35%.
- Led version control best practices using GitHub, GitLab, Azure Repos, and Bitbucket, enhancing code collaboration and traceability in distributed teams.
- Integrated OWASP Dependency-Check, Trivy, SonarQube, and GitHub Advanced Security into CI/CD pipelines, reducing security vulnerabilities by 70% during development.
- Implemented centralized logging using ELK, OpenSearch, FluentD, and APM, enabling proactive detection of production issues and reducing MTTR by 40%.
- Built performance monitoring dashboards with Prometheus and Grafana, improving system uptime 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 *12/01/2023*

PROJECTS

QCI
CloudThat 2025

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

Implemented a comprehensive CI/CD & SecOps pipeline for .NET, Java, Angular & etc multistack apps.
Minimized manual changes and revoked developer access for enhanced security and automation.
Integrated quality gates with SonarQube and Trivy to ensure enforce left-shift security.
Enabled smooth deployment across hybrid environments (Azure VM, Private EC2).
implemented a branching strategy in Azure DevOps for multi-app stacks, enabling smooth multi-vendor collaboration
Reduced release cycle time by 30% via automated build/test/deploy.
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.

Implemented Pull Request-Based GitOps principles and store Terraform & Terragrunt configurations in GitHub for declarative infrastructure management.
Atlassian manages infrastructure PR for streamlined workflow while Jenkins+ArgoCD handles CI/CD automation.
ArgoCD automates Kubernetes deployments from Git, while Helm manages EKS applications with dynamic scaling. SonarQube performs SAST scans on PRs, Trivy checks containers image pre-Helm deployment, and quality gates enforce left-shift security.
IAM roles with least privilege access control for all CI/CD actions
AWS Security Hub & GuardDuty for continuous threat analysis.
Technologies Used: Amazon EKS, EC2, Jenkins, Docker, GitHub, Terraform, Terragrunt, Jenkinsfile, Shared Pipeline Libraries, Jenkins Monitoring and Analytics Plugins, Atlassian.

Gov. Petrolleum (NDA)
CloudThat 2024

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

Led the migration of on-premise workloads to AWS, implementing a secure CI/CD lifecycle using AWS CodePipeline, CodeBuild, and FluxCD on EKS.
Integrated SonarQube, Twistlock, and AWS Signer for code quality and security enforcement, while Gatekeeper and Ratify ensured policy compliance.
Optimized EKS performance with dynamic scaling and custom node groups, improving deployment efficiency.
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

Migrated to a containerized architecture after conducting an in-depth infrastructure assessment, achieving 40% cost optimization by shifting public-facing services to private endpoints.
Implemented best practices in provisioning using Terraform modules, AWS Config, and ECR.
Build an efficient CI/CD pipeline with Terraform, AWS Code(Build,Pipeline,Deploy) managing 600+ pipeline and deployment.
Enabling centralized logging and monitoring solution using the ELK Stack with 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

The objective of this project is to create and deploy an Amazon Elastic Kubernetes Service (EKS) cluster using CloudFormation templates, adhering to best practices. Additionally, the project includes implementing comprehensive monitoring using Fluentd and AWS Container Insights to ensure a robust and well-monitored Kubernetes environment.

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) *Co-Founder*

Mar 2019 - Present *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 : 30 May 2025 [Navneet Toppo]