Navneet Toppo

I'm a passionate DevOps Engineer with expertise in leveraging cutting-edge technology to drive organizational growth. Skilled in DevOps and cloud platforms, I have a strong understanding of security practices. I'm committed to continuous learning and bringing value to my team.

✉ nttoppo55@gmail.com   📱 +91 8668975072

📍 India   📅 31 January, 1997

in navneet-toppo   🐦 @nav-toppo

Ⓢ live:navneettoppo   ⓖ navneettoppo

CAREER OBJECTIVE

To be associated with a dynamic and progressive organization that will allow me to utilize my abilities and qualifications in the field to add value to the organization while providing me with opportunities for growth.

WORK EXPERIENCE

Sr. Research Associate - DevOps & K8s

CloudThat   *Jan-2022- Present*

Bengaluru, India

- Automated infrastructure deployment using Terraform.
- Developed and maintained a multi-tier web application on AWS, Azure, and GCP.
- Integrated Azure Active Directory for authentication, authorization, and API integration.
- Implemented CI/CD workflows with Azure DevOps, CodePipeline, Github Actions and Jenkins.
- Deployed and managed Kubernetes clusters on AKS, EKS, OpenShift, and across multiple cloud providers including GCP, AWS, and Azure.
- Deployed containerized applications using AWS ECS, Azure Container Instances, and Google Cloud Run.
- Utilized version control systems such as GitHub, GitLab, Azure Repository and Bitbucket.
- For vulnerability scanning, setup OWASP Dependency-Check, Snyk, and Trivy. For code scanning setup SonarQube and GitHub Advanced Security.
- Set up logging systems using ELK, OpenSearch, FluentD and APM.
- Monitoring systems using Prometheus and Grafana.

TECHNICAL SKILLS

Cloud Technology
- AWS
- AZURE
- GCP

Virtualization
- VMware Workstation
- Virtual Box
- vSphere

DevSecOps
- Azure DevOps
- AWS Code(Pipeline,Build, Deploy)
- Terraform/Terragrunt
- Jenkins
- Trivy/Prisma
- Sonar

Containerization
- AKS, EKS, GKE
- AWS ECS
- Kubernetes
- OpenShift
- MicroK8s

CERTIFICATION

— DevOps Engineer Expert (AZ-400)
Microsoft   *18/10/2024*

— Azure Administrator Associate (AZ-104)
Microsoft   *18/10/2024*

— Professional Cloud DevOps Engineer
Google Cloud   *12/10/2024*

— Professional Cloud Architect
Microsoft   *25/05/2024*

— Solutions Architect – Associate (SAA-C03)
AWS   *09/09/2023*

— Cybersecurity Architect (SC-100)
Microsoft   *12/01/2023*

PROJECTS

QCI
CloudThat 2025

Implementation of CI/CD using Azure DevOps

The objective of this project is to establish a robust Continuous Integration/Continuous Deployment (CI/CD) pipeline utilizing Azure DevOps as the core platform. This initiative aims to enhance our software development lifecycle by improving collaboration, streamlining operations, and bolstering security.

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

Gov. e-Commerce (NDA)
CloudThat 2025

Implementation of CI/CD using OpenSource

The objective of this project is to establish a robust Continuous Integration/Continuous Deployment (CI/CD) pipeline utilizing Amazon Elastic Kubernetes Service (EKS) and GitOps as the core platforms. This initiative aims to enhance our software development lifecycle by improving scalability, security, and operational efficiency across all verticals. The project also aims to achieve a 35% cost optimization and improve infrastructure

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

Gov. Petrolleum (NDA)
CloudThat 2024

Migrating On-Prem Workloads to AWS

The objective of this project is to migrate on-premises workloads to AWS, leverage AWS services to automate and secure the software development lifecycle. I utilize CodePipeline for CI/CD, integrating SonarQube, Twistlock, and AWS Signer for code quality and security. Deployments are automated with FluxCD on EKS, using Gatekeeper and Ratify for policy enforcement. I also optimize EKS performance with 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 Terraform with Best Practices

The objective of this project is to revamp the AWS infrastructure and CI/CD processes using Terraform and AWS CodePipeline, adhering to best practices to enhance efficiency, scalability. This initiative includes assessing the current infrastructure, implementing a new architecture for containerization, and setting up various AWS services. The project aims to achieve a 40% cost optimization and improve infrastructure by converting all public services to private according to application requirements.

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
2024-25
Pursuing
Jalandhar, India

Bachelor of Computer Application
Dr. Ambedkar College Nagpur
2017-20
64.82%
Nagpur, India

12th HSC
Elite Science Academy
2017
47% Percentage
Nagpur, India

10th CBSE
Kendriya Vidyalaya
2011-13
5.8 CGPA
Solapur, India

STRENGTH

Collaborative · Resourceful · Innovative · Strategic · Adaptable

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 : 02 Feb 2025   [Navneet Toppo]