Kumar Anshuman

Senior DevOps Engineer

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Professional Summary

Accomplished CloudOps and DevOps engineer with extensive experience in architecting, developing and supporting cloud native infra across domains such as logistics, technology, BFSI etc following the enterprise grade development processes. Experienced in designing high-performance, secure, and scalable cloud native applications on the key cloud platforms such as **AZURE** and **AWS** along with knowledge in niches like **system design**, **Chaos Engineering**, **DevSecOps, microservices and serverless** patterns.

Currently working on a BFSI project for an automotive giant, serving as an infra and DevOps engineer responsible for developing the entire infra using Terraform.

Education

- Bachelor of Technology, Electronics Engineering, Bharati Vidyapeeth College of Engineering, Pune, Maharashtra, India

Training and Certifications

- Terraform
- AZ-400 (Design and implement a release strategy)
- Ansible Advanced
- Docker
- DataDog
- Raspberry Pi & IoT
- Diploma in Network Security
- Oracle Cloud Infrastructure certified Associate

Skill Set

- CloudOps, microservices design patterns, cloud infra architectures, automation and deployments, writing Infrastructure as a code and managing them using version control, Monitoring the application and infrastructure

Programming Languages	
	• Python, Ruby, Bash

Technologies	
	• **IaaC** : Terraform, Terragrunt, Cloudformation, ARM, Ansible
	• **Containers**: Kubernetes, Docker Swarm (hosted+bare metal)
	• **K8s ecosystem**: Istio, Helm, Rancher, K9s
	• **Chaos engineering**: Harness Chaos
	• **Configuration management** : Chef, Ansible
	• **CICD** : AzureDevOps, GitHubActions, Jenkins
	• **GitOps**: Kustomize, FluxCD, ArgoCD
	• **Version Control** : Git,Subversion
	• **Artifact management** : Jfrog artifactory, ACR, DockerHub
	• **Observability**: Prom+Grafana, AppD, AzMonitor, DataDog

APIs and middleware	• REST, gRPC, YAML, Web Services, TLS, Design patterns

Methodologies	• DevOps, Agile, Scrum
Domains	• BFSI, Logistics, Technology, Automotive, Payments

Honors and Awards

- Gold medallist for scoring distinction in both school and undergrad college

Experience

Nagarro

Project name	**Daimler - Banking and Insurance**
Client	Mercedez-Benz (Insurance point of sale)
Duration	June 2022- Oct 2022
Description	Writing Terraform code for Azure and Aws infra and merging it with GitHub Actions clickops create/destroy the entire infra. The infra has numerous TF modules eg. networking, Kubernetes engine, DB etc to enable current Java applications (microservice based architecture) to be hosted. Also developed the pipelines for deployments using Azure Devops.
Technology Stack	Terraform, Kubernetes, Helm, AWS, Azure Networking, DeploymentPipelines with Azure DevOps and GitHub Actions
Responsibilities	• Part of a team that designed and developed entire cloud native infrastructure from scratch and deployment pipelines for both infra and apps

Project name	• **Siemens Financial services**
Client	• Murex payment server
Duration	• Nov 2022- Mar 2023
Description	• Designing the serverless architecture of payment services using Azure Logic apps and deploying them with the help of terraform scripts on Azure devops servers. Designing various workflows pertaining to payments messages
Technology Stack	• Azure Logic Apps (**serverless**), Function apps, **Terraform**, Azure **DevOps**
Responsibilities	• Part of a team that authored terraform scripts and deploying them using azure devops pipeline on serverless architecture

Project name	• **Optevus**
Client	• Softpath LLC
Duration	• Apr 2023- Nov 2023
Description	• A team of 30 developers, QAs and DevOps responsible for designing an AI based global hiring platform. Application's backend written in dotnet and frontend in Angular whilst being orchestrated on Azure cloud's AKS. The infra itself written in Terraform and deployed using Github actions.
Technology Stack	• Azure Cloud, AKS, Terraform, Github actions, Github packages, Istio, Helm
Responsibilities	• Lead of a team that authored terraform scripts and deploying them using github actions pipeline on azure Kubernetes.

Concentrix Catalyst

Project name	**UPRR - Freight and logistics services**
Client	Union Pacific Rail Road (Hosted apps)
Duration	May 2021-May 2022
Description	Project involved supporting the platform to enable migration of Java based applications on JBoss servers to be hosted on Kubernetes using kubeadm. It included working with the client scrum team as a Senior DevOps engineer to provide technical solutions to enable current classical architecture and migrate the application seamlessly into MSA (microservice based architecture).
Technology Stack	Kubernetes, Linux Automation using Chef and Ansible, SecOps with Jfrog, Deployment Pipelines with Jenkins, Monitoring using AppD and Grafana
Responsibilities	• Designed, developed and supported container images using DockerFiles and yml for Kubernetes deployments, patching and recycling Jboss servers

MindTree

Project name	**Microsoft ODC**
Client	Microsoft Azure PaaS
Duration	July 2019-April 2021
Description	Project involved providing technical solution and support to the clients on Azure platform across EMEA and NOAM region. Worked on Rave tool and QRT (quick response team) for Escalation queues and mission critical. Responsibility also included collaborating with various teams Windows Developers, UEX & Performance.
Technology Stack	Microsoft Azure services
Responsibilities	• Leveraged tools like Wireshark, Fiddler, NetMon, tcpdump for procuring telemetry for real time as well as passive analysis

IodParts Inc.

Project name	**Cloud support**
Client	Cloud native web services company (India)
Duration	Dec 2017-April 2019
Description	Worked as 24x7 support engineer for cloud services client across NOAM region and solved the issue as raised by the customers availing diverse cloud services.
Technology Stack	Oracle Cloud Infrastructure
Responsibilities	Monitoring ticketing queue for OCI premier customer and resolving the cases based on various services such as compute, storage, VPC, networking. Worked extensively on business layer and data layer services.