



## PRATIBHA DEEPTI

A Focused Professional with **nearly 5+ years** of experience in multiple phases of **Devops and Cloud Computing Solutions**, striving for challenging assignments, preferably in **Hyderabad, Bengaluru and Overseas**

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### Profile Summary

- Experienced in working on **DevOps Practices** for Product Development.
- Experienced in Cloud native solutions and knowledge of various private and public clouds like AWS, Azure, Google cloud, vmware, Open Telekom cloud, syseleven cloud, Digital Ocean etc.
- Experienced in working on **Cloud Services** for computing platform infrastructure or data operation to the cloud.
- Experienced in development and building docker, **Kubernetes solution ready** product.
- Resourceful in working on Open Source Tools such as **OSTicket, OTRS** and **OCS Inventory Management**; successfully completed around **130+ POCs**
- Extensive skill to leverage technology for providing end-to-end solutions for **AWS, Azure Cloud, Vmware, Openstack, Open telekom cloud** ; currently working on **End to End infra automation with Terraform in GCP for Roswell** project
- Proficiently deployed **Microservices applications** and other **PHP Laravel & Maven Application** by automating it with **Git, Jenkins, SonarQube, Nexux** and **Code Deploy**
- Exposure of working on databases such as **MySQL, DynamoDb** and scripting in **Bash, Powershell and Json** • Expertise in working in designing secured **Architecture Design** with compliance ready.
- Expertise in **configuration of AWS Virtual Machines & VPCs** to deliver productive solutions for business and technology challenges
- Building **CI/CD pipelines** for Microservices and deployment to Kubernetes Conduct root cause analysis for container runtime problems Author documentation
- Possess exceptional **communication, analytical and problem-solving skills** to work in multicultural environment along with **flexibility to multi-task**

### Core Competencies

Cloud Computing Solutions  
Virtual Networking  
AWS Network Architecture  
Environment Migration  
DNS Configuration  
Apache Tomcat  
Web Application Configuration  
Disaster Recovery Solution  
Reporting & Documentation

### Education

- **PG Diploma in Information Security & Cloud Computing** from National Institute of Electronics and Information Security, Calicut, Kerala with 75% in 2016
- **B.Tech. in Electronics and Communication** from Amity School of Engineering and Technology, Delhi in 2013
- **12<sup>th</sup>** from Army Public School, Dhaula Kuan, New Delhi in 2009
- **10<sup>th</sup>** from Army School, Ferozpur in 2007

## Certifications

- GCP Professional Cloud Architect
- GCP Professional Cloud Security Engineer
- AWS Technical Professional
- AWS Business Professional
- GCP Associate Cloud Engineer
- Hashicorp Terraform Associate certificate

## Technical Skills

**Operating System:** Linux, Mac OS & Windows

**Cloud/IaaS/PaaS:** AWS - VPC, VPN Connection, Direct Connect, CloudFront, Route 53, EC2, SSM, ALB, ELB, AutoScaling, Elastic Beanstalk, Lambda, S3, Glacier, Storage Gateway, EFS, RDS, Cloudformation, Cloudwatch, CloudTrail, Config, Inspector, IAM, GuardDuty, Directory Service, Certificate Manager, SES & SNS, Code Commit, Code Build, Code Pipeline, Code Deploy

**GCP:** Compute, Networking, LB, Shared project, App Engine, Deployment manager, stackdriver, Bigquery, pub sub, GKE, vpc peering, VPN

**WebServer:** Apache, Nginx, Tomcat and IIS

**Database:** MySQL, DynamoDb

**Monitoring:** New Relic, Tick Stack, Sensu, Grafana, Nagios, Monit, stackdriver, graphana **Others:** Git, GitHub, Github actions, Gitlab (Software Configuration Management), Task Scheduler (Job Scheduler), Jenkins, Ansible (CI/CD), Shell Scripting, OpenVPN (VPN), GoAccess, Athena (Log Analyzer), Nessus (Penetration Testing Tool), Elasticsearch (Search Tool), Kibana, Graphite, GlusterFS (DFS Expertise), Redis (In Memory Cache), RabbitMQ (Message Queue), Graylog (Log Management), VMware, Citrix (Virtualization)

### Since July'22 with Paytm, Noida as DevOps Lead

#### Key Result Areas:

Performing automated operations on AWS Cloud, Terraform infra automation for AWS (Iac), Configuration

management using ansible for user creation & user management . Complete ownership of **Production** and **Non**

**Production** Environments with redesigning of current architecture and migration from monolithic to microservices

app development using EKS, ArgoCD, ELK(logging) & Prometheus & grafana for monitoring & Pinpoint integration

with microservices, CI/CD workflow automation with Jenkins. Working on End to End Infra automation with

Terraform from Organisation setup to app deployment all in private mode and secured access.

Follow the team's standards to create and manage an automated DevOps release management pipeline

Managing & guiding teams with software development strategies that are essential for deployment & staying abreast

with the latest tech stack.

Collaboration with DevOps engineers and Cloud architect to support development teams with a full set of

DevOps ALM tools by leading the establishment of the right tooling and processes

Deliver tasks based on project objectives; technically support projects through to completion. Ensure

deliverables are completed within target timeframes and are consistently of high-quality, documented and

support transition of operational activities

Be active in the innovation required to evaluate and recommend new Cloud based technical solutions. This

innovation should champion our mission of automation

Architecture Layout Designing following best practices, planning, implementing architecture with secured access to resources, secured EKS setup with Istio, EFK stack, prometheus, grafana, argocd setup, jenkins, Vault Ha setup with complete end to end automation Using Infrastructure as code (terraform) modules for various resources, Infrastructure automation with complete CI/CD using Jenkins & helm for deployment and ArgoCD. One click deployment setup for all resources.

#### **Since Dec'20 with Optum Global(DocAsap), Noida as Sr. Devops Engineer**

##### **Key Result Areas:**

Performing automated operations on AWS Cloud and Terraform infra automation for AWS . Complete ownership of **Production and Non Production** Environment with redesigning of current architecture and migration from monolithic to microservices app development using Nifi, EKS, Newrelic integration with microservices, CI/CD workflow automation with Jenkins. Working on End to End Infra automation with Terraform from Organisation setup to app deployment all in private mode and secured access

#### **Since Nov'19-Dec'20 with Mediaagility pvt Ltd., Gurgaon as Sr. Devops Engineer**

##### **Key Result Areas:**

Performing automated operations on Google Cloud and Terraform infra automation for Google and Azure cloud. Worked on GKE with app deployment using various services of Google like Pub sub and Bigquery CI/CD workflow automation via Github Actions for azure app deployment

Worked on Terraform cloud github actions for Continuous integration and testing

Working on End to End Infra automation with Terraform from Organisation setup to app deployment all in private mode and secured access

## Since July'18-Nov'19 with Appflow Solutions Pvt. Ltd., Delhi as Devops Engineer Key

### Result Areas:

Performing automated operations on various Cloud providers and preparing consolidated comparable Cloud Report.

Worked on **Kubernetes Cluster** with entire deployment of infrastructure, logging(**EFK**) and monitoring (**Grafana**) solution.

Worked on Openstack cloud with **ansible integration** to different clouds.

Worked on **helm** tool set for automated and easy maintenance of deployment.  
Worked on developing a Product based on kubernetes cloud native solution.

Worked on Cloud Management platform Morpheus in connection with AWS, Azure, Google, Open Telekom cloud, Vmware Cloud and many other cloud providers.

Working on production ready **K8 Cluster** in Vmware cloud.

Worked on various evolving solutions by studying information needs & systems flow and conferring with users and tenants.

Prepared **Design document** and **Handbook** for one of the customer EUMESTAT in connection with Morpheus.

Involved in client communication and problem solving day to day issues.

Working on Openstack deployment and working, configuring, connecting with other cloud providers. Worked on VIO in Vmware Integrated Openstack with HA deployment and NSX-V networking Performing and managing a team of people for project and managing deployments

Performed and deployed CI/CD setup for microservice deployment via Jenkins

Working expertise in SUSE CAASP and SUSE CAP on AWS, Azure and Openstack cloud integrated with third party software.

### Highlights:

**IPSEC VPN strongswan automation** via ansible

**Vmware integrated openstack setup. Jenkins**

**pipeline** setup for **microservices**

Setting up **Morpheus HA** deployment for **Eumestat**

Hands on **experience and expertise** in around 11 public and private clouds

**Ansible heat mysql innodb cluster** in Open telekom cloud.

Currently managing **Cloud report(product)**, **CNVA(product)**, **Eumestat devops automation tasks**, **Morpheus operations integration** to many public and private clouds.

**Since Mar'17-April'18 with Powerupcloud Technologies Pvt. Ltd., Bengaluru as Cloud Engineer**

**Key Result Areas:**

- Conducting migration of On-premises Environment to AWS Cloud, studying system design, feasibility & cost and offering cost-effective cloud solutions
- Performing automated operations in AWS Management by using AWS Automation Tools such as Code Commit, Code Build, Code Pipeline, code Deploy, Elastic Beanstalk, Opswork and so on
- Preparing Cloud Formation & Terraform Template to migrate the entire infrastructure such as VPC, Subnet, Route Table, Web Server with Autoscaling, App Server, DB Server (RDS) and ELB / ALB
- Connecting to On-premises Environment through the implementation of virtual networking within AWS •

Creating, configuring and managing AWS Virtual Machines & VPCs to optimize availability and reliability

- Configuring web applications and monitoring storage solutions; implementing RDS based data services to support applications
- and offering Backup & Disaster Recovery Solution; formulating monthly audit and CIS report for major clients •

Translating business requirements into deployable solutions to technical, functional & non-functional requirements •

Determining operational feasibility by defining the problem, analyzing requirements and assessing proposed solutions •

Evolving solutions by studying information needs & systems flow and conferring with users

**Highlights:**

- Offered **Disaster Recovery Solutions** to **ComVault** and **Mediaagent** Server from **AWS & Azure Infrastructure** •

Performed implementation of:

- o **IPSEC VPN Openswan** for multi-region VPC connectivity
- o **Tick Stack** for monitoring Apache, Nginx, CPU Utilization and Docker Containers
- o **PCI DSS Compliance Architecture**
- o New relic monitoring of docker Container running Java Application
- Created secured **three-tiered web application** and built customized docker files
- Led deployment of **Maven** Application & **PHP Laravel** and integrated **GitLab, Jenkins** & code deploy •

Provided services such as **Autoscaling, Load Balancing, CDN, Route53** with **Health Check Application**

- Reduced overhead and infrastructure costs by **40%** by consolidating and deploying 10 legacy applications to cloud platforms
- Developed enterprise reference architecture, **SOA & Cloud Strategy**

## **Project Title: Digit Insurance**

**Role:** The role included:

- o Managing servers in Azure & AWS and Commvault for backup solutions
- o Configuring OpenVPN
- o Encrypting of Servers
- o Deploying Kubernetes
- o Making Dockerfile for respective application platform like Jboss, Tomcat
- o Providing end-to-end solutions for AWS and Azure Cloud

(Please refer to Annexure for Project Details)

## **Annexure**

### **Projects**

**Project Title: KYB, Merchant, central-tools, address-module, vkyc, dms, & tnc.**

**Role:** The role included:

Architecture Layout Designing following best practices & abreast with latest tech stack, planning, implementing architecture with secured access to resources, secured EKS setup with Istio, EFK stack, prometheus, grafana, argocd setup, jenkins, Vault Ha setup with complete end to end automation Using Infrastructure as code (terraform) modules for various resources, Infrastructure automation with complete CI/CD using Jenkins & helm for deployment and ArgoCD. One click deployment setup for all resources.

Managing the applications running as monolith, patching security fixes for Payment gateways, optimization of automation systems, merchant onboarding. kyb, kyc systems.

**Project Title: Workflow Redesign**

**Role:** The role included:

Designing Architecture, implementing architecture with secured access to resources, secured EKS setup with Istio, EFK stack, prometheus, grafana, Nifi Cluster setup, mongodb cluster setup, Nifi flow promotion using nifi registry, Using Infrastructure as code (terraform) modules for various resources, Infrastructure automation with complete CI/CD using google provided CI tool Jenkins and ArgoCD, Deployment of application to EKS and then creating CI/CD for the deployment.

**Project Title: Roswell**

**Role:** The role included:

Designing Architecture, implementing architecture with secured access to resources, Jumpbox access to developers, providing terraform modules for various resources, Infrastructure automation with complete CI/CD using google provided CI tool cloud build, Deployment of application to GKE and then creating CI/CD for the deployment. Building & Deploying kubeflow pipeline, ML data models deployment

**Project Title: Bera**

**Role:** The role included:

Designing a CI/CD pipeline for azure app deployment and slot deletion after testing using Github actions and terraform cloud.

**Project Title: Atlas**

**Role:** The role included:

Designing, configuring and implementing suse caas and cap cluster with modifications like loadbalancer, autoscaling, user management and working extensively with web team in api calling and creating ci/cd pipeline for the project

Writing ansible playbooks and bash scripts to automate the configuration and deployment on multiple clouds.

Implementing private gitlab with ssl i.e privately hosted.

**Project Title: CNVA Role:**

The role included:

- o Designing, configuring and implementing cluster with modifications like loadbalancer, autoscaling, user management
- o Configuring and implementing elasticsearch, fluentd and kibana via helm
- o Configuring and implementing grafana, prometheus via helm in kubernetes cluster for every customer o
- Load testing of the cluster

**Project Title: Cloud Report**

**Role:** The role included:

- o Preparing different test cases under different domains and services of cloud like networking, monitoring, compute, database, container as a service, software as service, storage
- o Automating test cases and in depth research of every service of all cloud providers.
- o Comparing the test result of different cloud providers to get a winner in each category

**Project Title: Eumestat**

**Role:** The role included:

- o Automating day to day stuff
- o consulting the customer and providing them with right solution and approach
- o Managing and configuring different cloud platforms with Morpheus(multi cloud platform)
- o Morpheus HA setup
- o Openstack on vmware integration full deployments
- o Cluster K8 creation and automation in vmware
- o Working with test cases and handbook design documentation.

**Project Title: Eurofins Scientific Role:**

The role included:

- o Designing Cloudwatch Alarms for all servers and creating Route53 Health Check for 83 websites
- o Assessing CPU & Memory Utilization and Disk via New Relic
- o Executing EC2Config setup for both Windows and Linux

**Project Title: Innoart**

**Role:** The role included:

- o Transfer of applications & database from On-premises to AWS
- o Implementation of the infrastructure architecture using Cloudformation
- o Configuration of Bastion Server, App Server, Web Server, DB Server, NTP Server, OpenVPN Server, FreeIPA Server and Repo Server

**Project Title: Darwin Box**

**Role:** The role included:

- o Implementing ELK Stack, CIS Script and Audit Scripts
- o Setting up Multi Master Replication and working on OrientDB

**Project Title: Hungama**

**Role:** The role included:

- o Implementing CIS Script and Audit Scripts
- o Working with AWS Inspector and Guard Duty