

# AAYUSH MISHRA

Noida, India — +91-8174039746 — aayushm9626@gmail.com — Portfolio

## Professional Summary

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DevOps Engineer with **4 years of experience** designing, automating, and managing **cloud-native infrastructure on AWS and GCP**. Extensive hands-on experience with **Kubernetes (EKS), Terraform, Docker, Linux, Jenkins CI/CD, GitLab** and DevSecOps practices. Proven track record of operating large-scale production environments, improving reliability, automating infrastructure, and optimizing cloud costs.

## Technical Skills

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- **Cloud:** AWS, GCP, EC2, EKS, GKE, IAM, VPC, Route53, SQS, Global Accelerator, S3, ECR, RDS, ElastiCache, ELB, ALB, Lambda, SES, SNS, CloudFront, EBS, EFS
- **Containers & IaC:** Docker, Kubernetes, Helm, Karpenter, Terraform
- **CI/CD & SCM:** Jenkins CI/CD & GitLab, Git, GitHub
- **Monitoring:** CloudWatch, Prometheus, Grafana, Site24x7, FluentBit, CloudTrail, VPC Flow Logs
- **Security:** AWS WAF, Cloud Armor, Trusted Advisor, Secrets Manager, IAM, ACM, SSL/mTLS
- **OS & Scripting:** Linux(CentOS), Bash, Shell, Groovy, Python (boto3)

## Professional Experience

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### Biz2X Platform Pvt. Ltd. — Senior DevOps Engineer

*Sep 2023 – Present — Noida*

- Designed and managed **AWS/GCP** infrastructure using **Terraform** across **40+ AWS accounts**, supporting **500+ servers** and **40+ Kubernetes clusters**.
- Architected **VPC** with public/private subnets, route tables, NAT gateways, IGWs, Transit Gateway and VPC Peering.
- Built and maintained **CI/CD pipelines Jenkins** for build, test, Docker image creation, scanning, and deployment.
- Performed seamless **EKS upgrades (v1.26 → v1.32)** with zero downtime.
- Upgraded multiple **Jenkins master** and worker nodes to latest stable release (**v2.190 → v2.361**)
- Implemented disaster recovery architecture using **AWS Backup**, cross-region **EBS and RDS snapshot replication**, and **S3 versioning with CRR**, ensuring data durability and regional failover readiness.
- Containerized microservices using **Docker** and deployed them to **EKS/GKE** using Helm, practicing GitOps.
- Implemented **rolling, blue-green, and canary deployment** strategies to ensure zero downtime.
- Configured **Karpenter** for Kubernetes node autoscaling, reducing cloud infrastructure cost by **20%**.
- Implemented **DevSecOps** using SonarQube/SonarScanner with quality gates and **ECR scanning**.
- Implemented centralized logging using **FluentBit**, reducing **CloudWatch** logging cost by **30%**.
- Implemented observability using **CloudWatch/Container Insights** Prometheus, Grafana and **Site24x7**.
- Strengthened security posture using **AWS WAF**, Imperva WAF, **Trusted Advisor**, **IAM** least privilege, Amazon Inspector and Secrets Manager.
- **Automated EC2/EKS scheduling**, key rotation, Jenkins agent recovery, and infra tasks using Shell and Python (boto3).
- Administered **GitLab** repositories and runners, merge strategies, and access controls.

### Infosys Limited — Systems Engineer

*Feb 2022 – Aug 2023 — Noida*

- Designed and maintained CI/CD pipelines for applications deployed on **AWS EKS**.
- Installed, configured, and managed Jenkins master and agents with high availability.
- Implemented **role-based access control (RBAC) and project-based permissions** in Jenkins.
- Integrated **Docker, Terraform, SonarQube, and GitLab into automated CI/CD workflows**.
- Automated multi-region deployments and improved pipeline reliability and delivery speed.
- Performed Jenkins upgrades, backups, plugin management, and security hardening.

### Integreon Managed Solutions (India) Pvt. Ltd. — Associate

*Feb 2020 – Jan 2022 — Noida*

- Performed data analysis and reporting automation using scripting to improve operational efficiency.
- Built reusable scripts to streamline data processing and reduce manual reporting effort.
- Collaborated with internal teams to automate repetitive workflows and improve data accuracy.

### Achievements

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- **Star of the Month (Sep 2024):** Python automation using boto3.
- **Star of the Month (Mar 2025):** Ownership for reducing infrastructure cost via EC2/EKS scheduling.
- **Functional Award (Nov 2025):** Terraform-based AWS infrastructure automation.(Hub and Spoke Design)

### Education

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| • <b>B.Tech — Dehradun Institute of Technology,</b> Dehradun, Uttarakhand | 2015 – 2019 |
| • <b>10th &amp; 12th — City Montessori School,</b> Lucknow, Uttar Pradesh | 2012 – 2014 |