

Divyam Azad DevOps Engineer

Pune, India

Github - <https://github.com/nihaldivyam>

Linkedin - <https://www.linkedin.com/in/divyamazad>

Profile Summary

- **DevOps & Account Management:** With 6 years in the field, I handle both technical account management and hands-on DevOps engineering. My focus is on building secure, scalable cloud infrastructure across AWS, Azure, and Hetzner Bare Metal, while automating pipelines using tools like Jenkins, Harness, and GitHub Actions.
- **Containerization & IaC:** I manage complex container environments including Kubernetes, AKS, EKS, Kops, and Docker—on both public clouds and bare-metal setups. I maintain strict environment consistency through Infrastructure-as-Code (Terraform, Pulumi) and configuration management (Helm, Puppet).
- **Security & Custom Tooling:** As an active open-source contributor, I write custom utilities in Go, Python, and Bash. I also build out zero-trust networks using WireGuard VPN, Harbor, and Vault, and set up deep system observability with Grafana, Prometheus, Graylog, and OpenObserve.
- **Reliability & Client Success:** I bridge the gap between engineering outputs and enterprise client needs. My goal is keeping distributed systems resilient and maintaining high availability for stateful workloads like MongoDB and PostgreSQL.

Technical Skills

- **Cloud Platforms:** AWS (EKS, ECS, Lambda, RDS), Azure (AKS, Storage, Key Vault), Hetzner Bare Metal (Dedicated Servers)
- **Infrastructure as Code:** Terraform, Pulumi, Helm, Kustomize, Puppet
- **Containers & Orchestration:** Kubernetes, Kops, Cluster API (CAPI), Docker, ECS, AKS
- **CI/CD & Automation:** Harness, GitHub Actions, GitLab CI, Gitea, ArgoCD, Jenkins
- **Scripting & Languages:** Go (Golang), Python, Bash
- **Monitoring & Logging:** Prometheus, Grafana, OpenObserve, Graylog, OpenSearch, ELK Stack, CloudWatch

- **Networking & Security:** WireGuard VPN, IAM, TLS/SSL Certificate Management, OIDC, Vault, VPC, ALB/NLB, Harbor Registry, Netbird
- **Version Control & Tooling:** Git, GitHub, GitLab, ArgoCD, Artifactory

Work Experience

Obmondo Mumbai, India (Remote) *DevOps Engineer & Technical Account Manager (TAM)* Aug 2023 – Present

- **Scaling & Cost Strategy:** Oversaw the daily operations and uptime for a massive fleet of over 200 Linux servers and 50+ production Kubernetes clusters. To cut monthly cloud costs and boost compute performance, I drove a full migration from Azure Kubernetes Service (AKS) over to self-hosted Cluster API (CAPI) on Hetzner Bare Metal.
- **laC Modernization:** Shifted our provisioning approach away from standard Terraform state files, adopting Crossplane for a self-healing control-plane model. By writing custom cloud-native Compositions for Kops and AKS environments, I helped wipe out configuration drift and drastically sped up how fast we could deploy.
- **GitOps & Automation:** Built out standardized CI/CD pipelines utilizing Gitea Actions and GitHub Actions. I tied these into ArgoCD to achieve zero-downtime GitOps releases. Additionally, I handled the automated OS patching and configuration for our entire 200+ server fleet using Puppet.
- **Security & Supply Chain:** Deployed Harbor Registry alongside Kyverno policies to act as an internal image proxy, which successfully bypassed rate limits on Docker Hub and secured our deployments. I also rolled out Keycloak SSO globally to centralize our identity and access management.
- **Client Ops & Private AI:** Acted as the primary Technical Account Manager for major enterprise clients, making sure we hit our strict SLAs. I completely overhauled our monitoring stack with OpenObserve, Graylog, Prometheus, and Grafana. I also set up local Large Language Models (LLMs) running on bare-metal GPU servers to power our internal Mattermost bots.

Tweeny Technologies Pune, India (Remote) *DevOps Engineer* Jun 2021 – Jul 2022

- **Architecture Migration:** Worked directly with the engineering team to move off a legacy monolith, transitioning core microservices to AWS

ECS. We also shifted specific event-driven apps to AWS Lambda, which optimized our costs and made the system much more resilient.

- **Pipeline Overhaul:** Transitioned the company's CI/CD infrastructure off Jenkins and onto Harness and GitHub Actions. I created reusable modules that standardized how we deployed over 50 different microservices, greatly reducing maintenance time and speeding up releases.
- **Developer Tooling:** Built a custom internal CLI tool in Go (Golang). This toolkit safely pulled dynamic configs and API keys directly from HashiCorp Vault for local testing, fixing major workflow pain points and boosting security.
- **Terraform Refactoring:** Took a massive, tightly coupled Terraform codebase and broke it down into clean, modular components. This prevented code duplication and shrank the blast radius when applying infrastructure updates.

Redcarpetup.com (YCombinator '15) Delhi, India (Remote) *Lead DevOps Engineer*
Nov 2020 – May 2021

- **Cost Optimization:** Took charge of the AWS infrastructure and managed to cut monthly spending by roughly 37% (dropping from ₹8 Lakhs to ₹5 Lakhs). I did this by auditing the cloud setup, right-sizing instances, and heavily utilizing AWS Spot Instances alongside smart auto-scaling rules.
- **Fintech Compliance:** Hardened the cloud architecture to align exactly with strict PCI-DSS standards. I ensured the company met all NPCI and RBI guidelines, specifically implementing data localization rules for sensitive financial records.
- **IaC & Kubernetes:** Set up the company's foundational infrastructure through Terraform to enforce proper IaC practices. I managed the production Kubernetes clusters and built the CI/CD pipelines from scratch to smooth out the development lifecycle.

Reliance Jio Navi Mumbai, India *Security Engineer* Nov 2018 – Feb 2019

- **IDS Deployment:** Set up a Host-based Intrusion Detection System (HIDS) using Wazuh. I wrote custom threat detection rules that actively monitored the internal network and automatically flagged any suspicious behavior.

- **SIEM Setup:** Built out a centralized security logging pipeline with the ELK Stack (Elasticsearch, Logstash, Kibana). I hooked this up to the IDS to feed anomalous events into real-time visibility dashboards.

Certifications

- CKA The Linux Foundation Issued May 2026 – Expires May 2028
- Amazon Web Services SysOps Administrator - Associate Amazon Web Services (AWS) Issued Feb 2021 – Expires Feb 2024
- Introduction to Cybersecurity Cisco Issued Oct 2020
- Infrastructure Automation With Terraform Udemy Issued Nov 2020
- The Complete Kubernetes Course Udemy Issued Nov 2020
- Cybersecurity practices for Industrial Control System U.S. Department of Homeland Security
- Web application Penetration Pentester Academy
- Ethical Hacker ISOEH - Indian School of Ethical Hacking
- Certified Ethical Hacker (CEH) EC-Council Issued May 2019 – Expires May 2022

Education

Kalinga Institute of Technology India B.Tech. in Computer Science Sep 2017 – Jun 2020

SRM Institute of Technology Chennai, India Diploma in ECE 2013 – 2016

Army Public School Bathinda India 10th, CBSE 2013