

Debasish Mohanty

DevOps & Platform Engineer | Official Open Source Contributor – Kubernetes

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Summary

DevOps & Platform Engineer specializing in Kubernetes, AWS, Terraform, and cloud-native infrastructure. Open-source contributor to Kubernetes Autoscaler and Falco with experience building production CI/CD, observability, GitOps, and Kubernetes security platforms.

Skills

Kubernetes · Docker · Terraform · AWS · CI/CD · GitOps · ArgoCD · GitHub Actions · Jenkins
Helm · Prometheus · Grafana · Linux · Go · Python · Bash · EKS · EC2 · IAM · VPC
S3 · DevSecOps · Kyverno · RBAC · Kubernetes Operators · Site Reliability Engineering · Alerting
Infrastructure as Code · High Availability · Incident Response · PostgreSQL · Cloud Native · Microservices
Service Mesh · Istio · Canary Deployment · Container Security · Secrets Management · Observability
Log Aggregation · Linux Administration · Networking · Load Balancing · Auto Scaling · Cost Optimization

Work Experience

Official Open Source Contributions

Jan 2026 – Present

CNCF (Kubernetes & Falco)

- Fixed a Kubernetes Autoscaler provisioning issue affecting Exoscale instance pools ([Kubernetes #9506](#), release-1.32 & 1.33)
- Added missing RBAC permissions for Vertical Pod Autoscaler (VPA) Helm deployments ([Kubernetes #9515](#))
- Resolved a memory metric overflow issue in large-scale Linux environments ([falcosecurity #2930](#))
- Fixed a file descriptor leak in long-running Falco security agents, preventing resource exhaustion over time ([falcosecurity #2926](#))

Internship

TechEazy Consulting

Jul 2025 – Aug 2025

Cloud DevOps Engineer Intern

Remote, India

- Provisioned AWS infrastructure via Terraform and built GitHub Actions CI/CD pipelines with automated deployment validation
- Centralized application and system logs in Amazon S3 for monitoring and debugging

Elevate Labs

May 2025 – Jun 2025

Cloud Infrastructure & DevOps Intern

Remote, India

- Implemented ArgoCD GitOps workflows with Istio-based canary releases for zero-downtime Kubernetes deployments
- Built a full observability stack with metrics, centralized logging, and distributed tracing across services

Projects

SmartScaler — Kubernetes Autoscaling Operator | Go · Kubernetes · Prometheus · Grafana

- Built a Kubernetes autoscaling operator using CPU, node pressure, and cost-based scaling logic
- Implemented leader election, cooldown handling, and Prometheus-based observability
- Designed CRD-driven scaling workflows with RBAC and high-availability deployment support

ZeroTrustOps — Kubernetes DevSecOps Platform | Go · Python · Kubernetes · PostgreSQL · Kyverno

- Built a DevSecOps platform that scans Git pushes for Kubernetes, Terraform, Helm, and secret misconfigurations
- Developed a custom security scanning engine with CI/CD enforcement and 70+ security rules
- Implemented GitHub webhook automation, real-time dashboards, and Kyverno policy enforcement

Education

SUIIT, Sambalpur University

B.Tech in Computer Science — Cyber Security

Odisha, India

Nov 2022 – May 2026