

Prasant Jakhar

AWS Cloud & DevOps Engineer

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Professional Summary

AWS Certified Cloud & DevOps Engineer with 4+ years of experience in enterprise operations, automation, and cloud technologies. Experienced in AWS, Infrastructure as Code, Kubernetes, CI/CD, and DevOps practices through enterprise experience and production-grade personal projects. Passionate about building secure, scalable, and automated cloud solutions.

Core Technical Skills

Cloud Platforms: AWS (EC2, VPC, IAM, S3, Route 53, AWS CloudFormation, RDS, Lambda), Google Cloud Platform (GCP)

Operating Systems: Linux (Ubuntu, Amazon Linux, CentOS)

Networking: VPC, Subnets, Route Tables, NAT Gateway, Security Groups, Application Load Balancer (ALB)

Containerization & Orchestration: Docker, Kubernetes, Amazon EKS, Google Kubernetes Engine, Amazon ECS, AWS Fargate, Helm

Infrastructure as Code (IaC): Terraform, AWS CloudFormation, Ansible

CI/CD, GitOps & Version Control: Git, GitHub Actions, Jenkins, AWS CodePipeline, ArgoCD, GitLab CI, Bitbucket

Monitoring & Logging: Amazon CloudWatch, AWS X-Ray, Prometheus, Grafana, ELK Stack

Scripting & Programming: Python, Bash

Security & DevOps Practices: DevSecOps, IAM, AWS KMS, GuardDuty, Gitleaks, Checkov, Trivy, OWASP ZAP, SBOM, Agile SDLC

Professional Experience

Amazon | Subject Matter Expert | Amazon Robotics | Remote | Jul 2021 – Sep 2025

- Provisioned and managed AWS infrastructure using Terraform and AWS CloudFormation, standardizing infrastructure provisioning and reducing manual configuration effort through Infrastructure as Code (IaC).
- Built and maintained CI/CD pipelines using GitHub Actions and ArgoCD, automating application and infrastructure deployments while reducing deployment time from hours to minutes.
- Deployed and managed containerized workloads on Amazon EKS, improving deployment consistency, application scalability, and high availability through Kubernetes orchestration.
- Configured and maintained Amazon VPC networking components including subnets, route tables, security groups, NAT gateways, and Application Load Balancers to support secure and highly available deployments.
- Implemented monitoring, centralized logging, and alerting using Amazon CloudWatch, Prometheus, Grafana, and AWS X-Ray, reducing troubleshooting time during operational incidents.
- Implemented IAM least-privilege policies, Secrets Manager integration, and Python/Bash automation to strengthen cloud security and standardize access management.
- Led a cloud cost optimization initiative by identifying underutilized AWS resources and implementing resource optimization strategies, reducing infrastructure costs by 25%.
- Created cloud infrastructure documentation, operational runbooks, and technical guides to improve knowledge sharing and deployment consistency.

Education

B.Tech in Information Technology | Bharat Institute of Technology | Meerut, UP | 2021

Certifications

- AWS Certified CloudOps Engineer - Associate | 2026
- AWS Certified Developer - Associate | 2025
- AWS Certified Solutions Architect - Associate | 2024
- Google Cloud Certified: Associate Cloud Engineer | 2024
- AWS Certified Cloud Practitioner | 2024
- Certified ScrumMaster (CSM) | 2024
- HashiCorp Certified: Terraform Associate (004) | Ongoing

Technical Projects

- OpenTelemetry Astronomy Shop** (AWS, Terraform, Docker, Kubernetes, EKS, Helm, GitHub Actions, ArgoCD, Prometheus, Grafana, AWS Load Balancer Controller, IRSA) - [GitHub](#)
Designed and implemented a production-grade deployment pipeline for a cloud-native microservices application using Infrastructure as Code, Kubernetes, GitOps, and CI/CD practices.
- Cloud Resume Challenge** (AWS, Terraform, GitHub Actions, Lambda, API Gateway, DynamoDB, S3, CloudFront, Route 53, ACM) - [GitHub](#)
Designed, deployed, and automated a serverless AWS portfolio using Terraform and GitHub Actions with Lambda, DynamoDB, S3, Lambda Function URL, CloudFront, Route 53, and ACM.