Aman Singh

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Professional Summary

Cloud-certified DevOps Engineer - IV with 7+ years of experience driving automation, scalability, and efficiency across GCP, AWS, and Azure infrastructures. Expert in Kubernetes (GKE/EKS/AKS), Terraform, and CI/CD pipeline engineering, with a proven record of reducing deployment times by 40% and infrastructure costs by 25%. Adept in leading cloud migration, enforcing compliance standards (SOC2, HIPAA, CIS), and ensuring high-availability systems with 99.9% uptime. Recognized for building secure, production-grade cloud environments and collaborating cross-functionally to achieve rapid delivery.

Professional Experience

DEVOPS ENGINEER - IV

Ollion (formerly Cloud Cover Consultancy Pvt. Ltd.) Remote | *Dec 2021 – July 2025*

- Spearheaded automation of multi-cloud provisioning (GCP, AWS, Azure), reducing manual effort by 70%.
- Cut deployment time by 40% by building CI/CD pipelines using Jenkins, GitHub Actions, Cloud Build.
- Ensured 99.9% uptime on GKE by optimizing Kubernetes deployments and autoscaling configurations.
- Drove SOC2, HIPAA, CIS compliance using OPA policies, tf-validator, and secure baseline modules.
- Implemented serverless data pipelines with Cloud Functions, Pub/Sub, and BigQuery, improving event throughput.
- Reduced cloud spending by 25% through proactive resource right-sizing and cost analysis.
- Built and deployed GCP Landing Zones for multiple enterprise clients, enabling scalable and secure foundations.
- Integrated centralized logging and monitoring (Cloud Logging, DataDog, New Relic) for real-time observability.
- **Provisioned Amazon EKS clusters** for multiple customers using **Terraform** with reusable modules (VPC, subnets, node groups, IAM roles via IRSA, security groups, and cluster add-ons). Integrated into a CI/CD pipeline (GitHub Actions/Jenkins/CodePipeline) to enable **one-click environment creation**.
- Automated **application and infrastructure deployments** via **CloudFormation** stacks, ensuring consistent environments across dev, staging, and prod. Leveraged parameterized templates for per-customer customization.

SUPPORT ENGINEER

nCloud Inc. Remote | *Jun 2018 – Jul 2021*

- Maintained and optimized AWS infrastructure (EC2, S3, RDS, EKS, Lambda), improving cost efficiency and uptime.
- Designed secure IAM roles and SSO solutions, enhancing access control across environments.
- Developed event-driven pipelines using Lambda, S3, API Gateway, and SES to accelerate data ingestion.
- Improved incident resolution time by 50% via integration with Nagios, DataDog, New Relic, and Papertrail.
- Deployed a global IoT data processing system using API Gateway + Lambda + DynamoDB, enabling real-time analytics.
- Operated **multi-tenant EKS** across multiple AWS accounts/regions (multi-AZ), standardizing cluster baselines (IRSA, Managed Node Groups, Cluster Autoscaler, AWS Load Balancer Controller, ExternalDNS, cert-manager) for **12+ customer environments**.
- Scaled workloads to **2–3M requests/hour** (~2,000,000 ÷ 3600 ≈ **556 rps**; 3,000,000 ÷ 3600 ≈ **833 rps**) using HPA/VPA, Karpenter spot + on-demand blends, and pod/resource right-sizing—maintained **p95 latency < 150 ms** and **SLO 99.9%**.

SYSTEM ADMINISTRATOR

JetSynthesys Pvt. Ltd. – Pune | *Jan 2017 – May 2018*

- Reduced server downtime by 40% through proactive maintenance and continuous monitoring.
- Maintained Linux environments and enhanced system performance for over 500 users.
- Automated deployments using custom Bash scripts and Jenkins, reducing human error by 30%.
- Created and managed Jenkins pipelines for production deployments, improving delivery consistency.

Core Technical Skills

- **Cloud Platforms:** GCP (GKE, Cloud Storage, Pub/Sub, BigQuery), AWS (EC2, S3, RDS, EKS, Lambda), Azure (AKS, Functions)
- **Infrastructure as Code (IaC)**: Terraform, CloudFormation, Ansible, Chef, Puppet
- **CI/CD & Automation:** Jenkins, GitHub Actions, Cloud Build
- **Containerization & Orchestration**: Docker, Kubernetes (GKE, EKS, AKS), Helm
- **Monitoring & Security**: DataDog, New Relic, Cloud Monitoring, Cloud Logging, OPA, tf-validator
- **Compliance & Governance**: SOC2, HIPAA, CIS, MAS TRM
- **Languages & Scripting:** Python, Bash
- **Tools & Methodologies**: Agile, Jira

Education

● **Bachelor of Technology (B.Tech) in Computer Science & Engineering**

Maharashtra Institute of Technology, Aurangabad, India | 2016

Certifications

· **Google Cloud Professional Cloud DevOps Engineer** – Valid till Nov 2025
· **Google Cloud Professional Cloud Architect** – Valid till Mar 2025
· **Google Cloud Associate Cloud Engineer** – Valid till Dec 2025
· **AWS Certified SysOps Administrator** – Associate – Valid till Sep 2027
· **HashiCorp Certified: Terraform Associate (002)** – Expired Mar 2024