

MAYANK AGARWAL

Cloud & DevOps Engineer — Site Reliability

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PROFESSIONAL SUMMARY

Results-driven Cloud Engineer with 2+ years of hands-on experience designing, implementing, and managing AWS and multi-cloud infrastructure for enterprise applications. Proven track record of sustaining 99.9% uptime, reducing downtime by 20%, and automating operational workflows. Strong foundation in networking, CI/CD pipelines, containerization (Docker, Kubernetes), and cloud security. Focused on cost optimization, infrastructure automation, and operational excellence.

KEY COMPETENCIES

AWS Services	EC2, S3, VPC, IAM, CloudWatch, RDS, Lambda, ELB, Route 53, CloudFormation
Cloud Platforms	AWS, OpenStack, VMware vSphere, NxtGen Cloud, KVM
Containers & Orchestration	Docker, Kubernetes, Microservices Deployment
CI/CD & Automation	Git, GitHub, CI/CD Pipelines, Shell Scripting, Python Automation
IaC & Config Mgmt	CloudFormation, Ansible (exposure)
Networking	VPC, VPN, BGP, TCP/UDP, DNS, L2/L3, MPLS, SNMP, Syslog
Monitoring & Backup	Grafana, Prometheus, CloudWatch, Veeam, Commvault
Security & Compliance	IAM Policies, Security Groups, NACLs, Encryption, Compliance Audits
Operating Systems	Linux/Unix Administration — Ubuntu, CentOS, RHEL
Databases	MySQL, Firebase, RDS

PROFESSIONAL EXPERIENCE

Cloud & DevOps Engineer | Freelance

Remote, India · Dec 2024 – Present

- Designed and managed scalable AWS cloud infrastructure, sustaining 99.9% uptime for production services.
- Built end-to-end CI/CD pipelines automating deployments, reducing release cycle time by 40%.
- Deployed containerized microservices using Docker and Kubernetes for consistent, repeatable releases.
- Set up monitoring/alerting (Grafana, Prometheus) and automated backup/DR (Veeam, Python/Shell) to meet RPO/RTO targets.
- Optimized cloud resource usage across AWS, OpenStack, VMware, and KVM, achieving ~25% cost reduction.

Cloud Engineer | NxtGen Datacenter

Bangalore, India · Mar 2023 – Oct 2023

- Designed and maintained enterprise cloud solutions on AWS, OpenStack, and VMware for multiple clients.
- Developed CI/CD pipelines integrating Git and GitHub for consistent, versioned deployments.
- Reduced infrastructure downtime by 20% through proactive monitoring and resource optimization.
- Maintained a 99.9% uptime SLA while resolving cross-team infrastructure issues.
- Managed enterprise backup/DR (Veeam, Commvault) and core networking (BGP, VPN, L2/L3, SNMP).

Cloud Engineering Intern | IBM

Dehradun, India · Jun 2022 – Aug 2022

- Built a secure text-transfer application using Python, key encryption, and AWS services.
- Contributed across the full project lifecycle — planning, development, testing, and deployment.
- Gained foundational exposure to enterprise cloud practices and agile methodology.

CERTIFICATIONS & CREDENTIALS

- AWS Academy Cloud Foundations — Grad Badge
- AWS Fundamentals: Addressing Security Risk
- AWS Cloud Technical Essentials
- Fortinet Certified Fundamentals in Cybersecurity
- Fortinet NSE 1, NSE 2 & NSE 3 — Associate
- Google Cloud Platform — LinkedIn Assessment
- Git & MySQL — LinkedIn Assessments
- Introduction to Git and GitHub (Google)

EDUCATION

B.Tech in Computer Science · July 2023

University of Petroleum and Energy Studies (UPES), Dehradun, India