



Sagar Sharma

Senior Cloud Operation Engineer

CONTACT

+918839002993

Sagar.sharma828455@gmail.com

linkedin.com/in/sagar-sharma-74aaba167

SKILLS

- Automation (IAC, Terraform, SSM)
- Amazon Web Services
- Azure Managed Services
- Source and version control: Git
- CI/CD Workflows.
- Linux systems environments.
- Python, Bash
- Debugging & Troubleshooting
- Disaster Recovery Planning
- New Relic APM Tools
- Prometheus, Grafana
- JIRA, Confluence
- DEVOPS & SRE principles
- Kubernetes K8's
- Docker
- Ansible
- Cross functional collaboration

CERTIFICATIONS

- AWS Certified DevOps Engineer – **Professional (DOP-C02)**
- Terraform Certified Associate **HCTAO - 003**
- AWS Solution Architect **(SAA-C02) - Associate**
- AWS Certified Developer **(DVA-C01) - Associate**
- Microsoft Azure Fundamentals **AZ-900**
- AWS Partner: Generative AI on **AWS Essentials(Business)**

PROFESSIONAL SUMMARY

Cloud Operations and DevOps Engineer with 5+ years of experience managing AWS and Azure infrastructure. Proficient in designing and implementing scalable, high-availability infrastructure, automating CI/CD pipelines, and using Infrastructure as Code (IaC) tools like Terraform and CloudFormation. Strong skills in scripting, monitoring, security, and cross-functional collaboration. AWS Certified DevOps Engineer - Professional and skilled in driving operational improvements and ensuring seamless deployment.

WORK EXPERIENCE

Senior Cloud Operation Engineer

Wipro / Bengaluru , India / Nov 2023 – Present

- Designed scalable AWS infrastructure with EC2, S3, RDS, and Lambda, utilizing Auto Scaling and load balancing to ensure high availability and performance under varying loads.
- Built and maintained CI/CD pipelines using AWS CodePipeline, CodeBuild, and Jenkins, automating code deployments and integrating tests to ensure seamless delivery.
- Deployed Infrastructure as Code (IaC) using Terraform, managing AWS resource lifecycles, and implementing reusable modules for consistent deployments across environments.
- Troubleshoot and monitored Azure AKS environments using tools like Prometheus and New Relic, ensuring smooth operation and resolving issues related to cluster performance and resource utilization.
- Developed and managed Docker containers, writing Docker files for application packaging and deploying them across environments, with a strong understanding of Kubernetes for container orchestration and scaling.
- Applied AWS security best practices, managing IAM roles, policies, and encryption with KMS to secure resources and ensure compliance with internal standards
- Participate on scheduled daily/weekly/monthly maintenance automation using cloud SSM(Pathing, updates & config compliance)
- Automated repetitive tasks with Python and Bash, such as system health checks, log management, and server provisioning, enhancing efficiency and reducing manual intervention.
- Implemented AWS CloudWatch for monitoring, setting up alarms and dashboards to track CPU, memory, and application performance, optimizing uptime.
- Troubleshoot Azure VMs, diagnosing and resolving issues related to performance and connectivity to ensure optimal uptime.
- Increased resource quotas to accommodate scaling requirements for applications and services in Azure environments.
- Setting up backup and recovery solutions to protect data and application from loss and corruption. .
- Assist and track internal and external ongoing migrations or projects into cloud.
- Collaborating with cross functional teams to gather requirements, troubleshoot issues, and implement solution.
- Troubleshoot and Investigate Service Requests or Incidents then providing root cause analysis as well as sustainable permanent solution to customers and internal teams.

EDUCATIONS

BACHELORS OF ENGINEERING

Oriental Institute Of Science & Technology,Bhopal

6.29/ 10 CGPA 2015–2019

High School GRADUATE

Bright Model Higher Secondary School

79.20/100 Percentage 2014-2015

Site Reliability Engineer (SRE).

Emtec Inc / Pune, India / July 2022 – November 2023

- Implemented BASH automation scripts to optimize routine tasks, reducing manual intervention and enhancing system efficiency.
- Proficient in leveraging Terraform (IAC) to design and deploy custom Dashboards and Alerts for New Relic APM, enhancing application monitoring capabilities.
- Optimized GitHub Actions workflows, achieving a 50% reduction in deployment time for Terraform code by implementing caching and leveraging Terraform parallelism.
- Minimized latency of Terraform actions by reconfiguring workflows to execute locally prior to deployment and testing, enhancing efficiency and responsiveness.
- Developed BASH scripts to automate the monitoring of Linux servers, ensuring 24/7 health checks.
- Designed and implemented GitHub Workflows to automate Python job/task execution.
- Setup and maintained Atlassian's tool: Jira and Confluence. All changes are ticketed in ticketing system (JIRA) for assignment and tracking.
- Proficient in quickly identifying and resolving operational and application issues within agreed (SLAs), ensuring minimal downtime and maximum system uptime.
- Experience in development, deployment and scaling systems across cloud infrastructure.
- Experience in System monitoring, Incident management.
- Documented root cause analysis reports and developed standard Procedures for every alerts or issues.
- Assisted development team in identifying the root cause of slow performing jobs / queries.
- Responsible 24/7 on-call Pagerduty

Cloud Engineer

Tata Consultancy Services / Indore , India / Aug 2019 – July 2022

- Configured AWS services, including EC2, S3, and VPC, ensuring high availability through Auto Scaling and load balancing.
- Created Terraform scripts for Infrastructure as Code (IaC), managing resource lifecycles and developing reusable modules.
- Set up and managed IAM roles and policies to secure AWS resources and enforce compliance.
- Developed BASH scripts to automate EC2 instance provisioning and scaling based on demand.
- Established alarms and dashboards with CloudWatch to monitor system performance and resource utilization.
- Created and maintained CI/CD pipelines using Jenkins and CodeDeploy for streamlined deployments.
- Migrated on-premise workloads to AWS using Data Migration Service.
- Utilized SNS for alarms and alerts, enhancing proactive monitoring of resources.
- Implemented EFS for shared file systems across EC2 instances in multiple availability zones.