ASHISH KADIAN

Site Reliability Engineer (SRE) | DevOps & Cloud Security | AWS | Kubernetes

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SUMMARY

Experienced Site Reliability Engineer (SRE) and DevOps professional with 2+ years of hands-on expertise in AWS cloud services, infrastructure automation, and scalable system design. Proven track record of reducing provisioning time by 70% using Terraform and CloudFormation, and enhancing deployment efficiency through Kubernetes-based CI/CD pipelines. Strong focus on reliability, security, and performance, integrating SRE principles with modern DevOps practices to support mission-critical systems. Ranked All India #2 in the GATE CSE Scholarship Test, demonstrating top-tier technical proficiency and problem-solving excellence

EXPERIENCE

Site Reliability Engineer (SRE) | Cloud Security & Infrastructure Operations

Teradata

07/2023 - present

Leading provider of data and analytics solutions

- Deployed Jenkins on Amazon EKS with a fully automated CI/CD pipeline using CodeDeploy, cutting deployment time by 70% and achieving 99.9% reliability for production workloads
- Reduced container service boot time by 73% (from 8 to 3 minutes) by optimizing orchestration logic and configurations
- Provisioned new AWS account from scratch using Terraform (VPCs, subnets, IAM, security groups), applying security and scalability best practices
- Built and owned an internal Operations Portal (Angular + FastAPI), enabling 100+ users to manage cloud operations with 70% improved efficiency
- Achieved 20% AWS cost savings via environment consolidation, right-sizing, and mandatory tagging enforcement (SCP)
- Strengthened cloud infrastructure security with IAM policies, WAF, CIS compliance, and automated audits
- Deployed Datadog for centralized monitoring and logging, reducing production debugging time by 40%
- Managed uptime, scaling, and automated backups/patches for AWS services including EC2, S3, ALB, RDS, Redis, and Kafka
- Containerized applications using Docker and orchestrated deployments on Amazon EKS, enhancing scalability and reliability

DevOps Engineer

IIT Bombay

08/2022 - 06/2023

Indian Institute of Technology, a premier engineering institution

- Designed and implemented a security automation framework using Ansible, covering 40+ compliance requirements, achieving 100% audit clearance and reducing Critical and high vulnerabilities.
- Architected and deployed Kubernetes-based CI/CD pipelines for Django applications, reducing deployment time by 50% and improving rollback efficiency
- Automated infrastructure provisioning with Terraform and Ansible, cutting manual setup time by 70% for compute-intensive research environments
- Strengthened system security by 60% using WAF, RBAC, and encrypted secrets across web, database, and infrastructure layers
- Deployed observability stack (Prometheus + Grafana for monitoring; ELK for logging), reducing incident detection time from 15 minutes to under 2 minutes
- Optimized cloud infrastructure costs by 25% through right-sizing, auto-scaling, and resource utilization analysis, while maintaining SLA performance

EDUCATION

Master of Science (MS) in Computer Science

Liverpool John Moores University

03/2023 - 03/2025

Bachelor of Technology (BTech) in Computer Science

JECRC University

06/2016 - 06/2020

SKILLS

AWS | Docker | Kubernetes | Terraform | Ansible | CloudFormation | Gitlab | Jenkins | Python | Bash | Datadog | Prometheus | Grafana | ELK Stack | Azure | MYSQL | Nginx | Redis | FastAPI

PROJECTS

CI/CD Pipeline Development for Microservices

Built GitOps-driven CI/CD pipelines for containerized microservices in a cloud-native environment using Jenkins, GitLab, ArgoCD, Docker, and Kubernetes. Automated deployments and reduced release times by 90%

- significantly improving system uptime and developer productivity across multiple environments

End-to-End Observability Stack Deployment

Designed and deployed a centralized monitoring and logging solution using Prometheus, Grafana, and ELK Stack, integrated with AWS CodeDeploy, ECS, and CloudFormation. Enabled real-time insights and proactive alerting

- reducing downtime by 40% and enhancing system reliability and incident response

AgileCloudPipeline

Developed scalable AWS infrastructure using Terraform, Jenkins, and Kubernetes (EKS) to support high-traffic applications with over 500K monthly requests. Automated CI/CD and implemented self-healing, auto-scaling clusters

- achieving 40% faster deployments while improving cost-efficiency, reliability, and high availability

INTERESTS

Cloud security | Threat modeling | System resilience | DevSecOps collaboration | Elastic Cloud scalability | Security automation | Infrastructure hardening | Continuous compliance

FIND ME ONLINE

Linkedin
https://www.linkedin.com/in/ashish-kadian/

Github
https://github.com/syntax2/