NAGESHA KS
DEVOPS AND CLOUD ENGINEER

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Certified DevOps / Cloud Engineer with **over 5 years of experience** in automating infrastructure and optimizing cloud environments across AWS, GCP, and Azure. Expertise in building CI/CD pipelines with Jenkins, GitLab, and Docker, enhancing deployment efficiency by up to 50%, and implementing infrastructure-as-code solutions with Terraform, improving scalability by 30%. Record in leading cloud cost optimization efforts, while improving system performance and security across large-scale production environments.

CORE COMPETENCIES

CI/CD Pipeline Automation	Cloud Infrastructure Management	Jenkins, GitLab, & Docker	Cloud Resource Scaling
DevOps Workflow Integration	Kubernetes &Containerization	Cloud Cost Optimization	Security Audits compliance
High-Availability Systems	Automation Scripting (Python,Bash)	Incident Response	Troubleshooting

WORK EXPERIENCE

Lloyd's bank | UK

DevOps Engineer *August 2023 – June 2024*

- Automated deployment pipelines using Jenkins and Docker, significantly reducing deployment time and minimizing release errors by integrating containerization and continuous integration tools.
- Implemented infrastructure-as-code with Terraform, enabling consistent and scalable cloud infrastructure while reducing provisioning time and manual configurations.
- Enhanced system monitoring and alerting with Prometheus and Grafana, streamlining incident detection and decreasing response times for critical issues.
- Led product management for TM Vault, overseeing maintenance, upgrades, and integration with existing infrastructure, ensuring stability and security across systems.
- Developed Python scripts to automate CI/CD processes, reducing manual intervention in deployment cycles and improving integration with Jenkins and Docker.
- Managed cloud infrastructure on GCP, optimizing resource utilization and driving cost efficiency through strategic scaling and performance monitoring.
- Collaborated with development teams to integrate CI/CD workflows, improving code quality and accelerating the deployment frequency across the development lifecycle.
- Conducted security assessments and applied best practices, strengthening system security and compliance.

Tech Grids| UK

DevOps Engineer *August 2022 – July 2023*

- Designed and automated CI/CD pipelines with GitLab and Kubernetes, improving deployment cycles and reducing manual errors through container orchestration and continuous deployment.
- Implemented AWS CloudFormation for infrastructure-as-code, enhancing provisioning efficiency and enabling rapid and repeatable infrastructure deployments.
- Optimized system reliability using Datadog for advanced monitoring, resulting in better system performance and reduced downtime by addressing latency and bottlenecks.
- Managed cloud environments on Azure, improving resource utilization and cutting operational costs through efficient scaling and performance monitoring.
- Streamlined development workflows with CI/CD automation, increasing deployment frequency and improving release quality by integrating automated testing and feedback loops.
- Performed security audits and implemented best practices, boosting overall security posture by identifying vulnerabilities and mitigating potential threats in cloud environments.
- Utilized GCP Cloud Build to implement CI/CD pipelines, ensuring seamless integration and deployment of microservices-

based applications across cloud platforms.

TATA (TCS)| India

Cloud & DevOps Engineer *August 2021 – July 2022*

- Engineered and automated cloud infrastructure using Terraform and AWS, streamlining deployment processes and minimizing manual configurations to improve overall efficiency.
- Developed CI/CD pipelines with Jenkins and Docker, enhancing deployment frequency and reducing integration issues.
- Implemented advanced monitoring solutions using Prometheus and ELK Stack, improving incident response times and system reliability through real-time performance metrics and logging.
- Optimized cloud resource utilization and cost management, scaling infrastructure efficiently and aligning resources to meet operational demands without unnecessary expenditure.
- Collaborated with development teams to improve deployment workflows, reducing release cycle time and increasing deployment reliability through automated testing and continuous feedback integration.
- Applied security best practices and compliance standards, strengthening system security and reducing vulnerability risks by enforcing proactive security measures across cloud environments.

Radiall India Pvt.Ltd | India

Cloud Engineer *February 2019 – July 2021*

- Designed and deployed scalable cloud solutions on AWS, improving infrastructure availability and reducing overall operational costs by leveraging cloud-native services.
- Automated cloud resource provisioning using Terraform, accelerating deployment times and minimizing manual configuration errors through infrastructure-as-code practices.
- Implemented cloud performance optimization strategies using CloudWatch, enhancing system performance and reducing downtime through proactive monitoring and tuning.
- Managed and optimized cloud storage solutions, improving data retrieval speeds and reducing storage costs.

Bharat Electronics Limited | India

1st and 2nd Level IT Engineer *February 2018 – February 2019*

- Provided frontline technical support, resolving common issues like password resets and connectivity problems, ensuring smooth daily operations and minimal downtime for end-users.
- Managed support ticketing system, efficiently documenting, escalating, and resolving technical issues, resulting in improved response times and issue resolution accuracy.
- Resolved escalated technical issues through in-depth analysis, addressing complex problems from the 1st level of support and ensuring the stability and functionality of critical systems.

EDUCATION

Bachelor of Engineering

Visvesvaraya Technological University | India

CERTIFICATIONS

AWS Certified Solutions Architect

AWS Certified Cloud Practitioner

Azure Fundamentals

HashiCorp Certified: Terraform Associate

CKA: Certified Kubernetes Administrator

TECHNICAL SKILLS

CI/CD & Automation Tools: Jenkins, GitLab, Docker, Kubernetes, Cloud Build, Python (for automation scripts)

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

Cloud Platforms: AWS, GCP, Azure

Monitoring & Logging: Prometheus, Grafana, Datadog, ELK Stack (Elasticsearch, Logstash, Kibana), CloudWatch

Programming Languages: Python, Bash

Security & Compliance: Security Audits, Vulnerability Assessments