



NAGESHA K S

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Summary

A motivated Cloud & DevOps Engineer with nearly six years of hands-on expertise on multi-tier architecture with primary capabilities like Linux, DevOps, Containerization, Kubernetes, multi clouds (AWS, Azure, GCP), Infrastructure as a Code (IaaS) and CI/CD with a demonstrated history of working in the information technology and services industry.

I have worked on multiple projects setting up and enhancing their Infra and CI/CD pipelines to thrive for efficient software development cycle and has been working closely with Client/Developers to understand the infrastructure requirements which has helped him to be proficient in delivering the solutions with market standard SLA's.

Skills

- DevOps methodologies
- Cloud computing
- Source code management
- Migration of on-premises servers to cloud
- Containerization
- CI/CD
- Agile methodologies
- AWS GCP, Azure infrastructure
- Automation solutions
- Configuration Management
- Release and Change Management
- Generative AI

Technical Skill

- **Containerization and Orchestration:** Docker, Kubernetes
- **Infrastructure as Code (IaC):** Terraform, Cloud Formation
- **CI/CD:** Jenkins, GitLab Jenkins, Spinnaker & GitOps, Azure DevOps
- **Version Control:** Git, GitHub, Bitbucket
- **Scripting and Automation:** Bash, PowerShell
- **Cloud Platforms:** AWS, Azure, GCP
- **Monitoring and Logging:** Prometheus, Grafana, Dynatrace
- **Collaboration Tools:** Slack, Microsoft Teams
- **Security Practices:** Security Audits, IAM, Security Best Practices
- **Configuration Management:** Ansible

Experience

Lloyd's bank
DevOps Engineer
08/2023 – 04/2024

- I have a demonstrated history of deploying complete infrastructure environments from scratch and implementing Thought machine Vault applications and banking products using GCP Kubernetes, HashiCorp Vault, and other cutting-edge technologies.
- Proficient in resolving cloud-related issues by effectively engaging with AWS Azure GCP support, leveraging strong communication skills and technical expertise to ensure timely resolution.
- Expertise on implementation of Jenkins to ensure Continuous Integration/Continuous Delivery in software development process.
- Believes in automating tasks and avoiding implementation of hard code solutions to ensure hassle free B&R process and promoted automation mindset by creating jobs to perform various manual tasks using python script.

- Focused on following the single code base strategy for all the DevOps automation stuff to have a centralized control. Has developed the helm chart libraries that has been used centrally by various workstreams following the common code base approach for maintaining the configurations/charts.
- Hands on experience in Deployment, Build & Release Management, Automation , Software
- configuration management, Application support and enhancement.
- Work with a mindset that a job is not finished until it's tested, documented and highly automated.
- Utilized terraform (Infra as a code) to provision various GCP and Azure resources.
- Have experience of working as cloud support engineer as part of Platform engineering team to resolve multiple workstream infra/B&R queries.
- Been involved in delivering various major stories like DB migration, vault upgrade/installation and ACM migration and have good understanding of TM vault, istio, mTLS implementation.
- Successfully integrated Dynatrace into our Kubernetes cluster infrastructure, enabling real-time monitoring and analysis of application performance. Implemented secure access controls and configured custom dashboards to provide actionable insights for stakeholders, enhancing visibility into system health and facilitating informed decision-making.

Tech Grids UK
DevOps Engineer
 11/2022 - 07/2023

- Automated routine tasks, improving operational efficiency and minimizing manual errors.
- Established and optimized CI/CD pipelines with Jenkins, similar tools, resulting in a 30% reduction in deployment times.
- Integrated automated testing processes, enhancing code quality and reducing post-deployment issues.
- Orchestrated Docker containers and managed containerized applications using Kubernetes, achieving seamless scaling and resource utilization.
- Conducted software installations on AWS EC2 instances, ensuring seamless application deployments and optimizing resource utilization in a cloud-based environment.
- Implemented Infrastructure as Code (IaC) using tools such as Terraform and Cloud Formation, reducing provisioning time by 25%.

TATA (TCS)
Cloud & DevOps Engineer
 08/2022 - 09/2022

- Set up end-to-end CI/CD pipelines using Git, Jenkins, Docker, and Ansible for streamlined development and deployment processes.
- Monitored and analyzed cloud-based application performance.
- Automated tasks and workflows using scripting languages and tools.
- Used version control system tool GIT, Bug tracking tools like JIRA
- Executed container orchestration using Kubernetes, handling deployment, scaling, and monitoring of containerized applications for efficient management.
- Collaborated with development teams to ensure application scalability and availability.
- Configured VPCs, subnets, NAT gateways, S3 storage, NACLs,

Radiall India Pvt.Ltd
Cloud Engineer
02/2019 - 07/2022

- Developed Terraform scripts for on-premises server migration to AWS cloud.
- Applied Agile methodologies and practices for efficient project management.
- Implemented CI/CD pipelines using Jenkins for diverse applications.
- Designed Ansible configurations, enhancing automation in infrastructure management.
- Utilized Docker for visualizing servers in the Dev and Test environments.
- Demonstrated proficiency in AWS services such as CloudWatch and Cloud Trail.
- Designed and managed AWS infrastructure, utilizing services like EC2, Lambda, S3, RDS, and IAM.

Bharat Electronics Limited
Junior Cloud Engineer
02/2018 - 02/2019

- Managed IAM users, groups, and policies using Terraform and Jenkins for Infrastructure as Code (IaC) and Code as Code (CICD) practices.
- Implemented network tasks, including VPC peering, NACL rule configuration with Terraform, and troubleshooting of network, S3, SQS, RDS Snapshots, and IAM issues.
- Utilized Git and Bitbucket for source code management in version control systems.
- Configured and troubleshooted TCP/IP networking, conducting routine IT services checks on a daily, weekly, and monthly basis.
- Implemented continuous monitoring using Trend for malware protection on AWS servers and incorporated cloud-trail and cloud-watch for monitoring purposes.
- Contributed to team onboarding processes, including Instance profile setup, Hosted zone configuration, Bastion Host management, Lambda role definition, and ACM creation.

Education and Training

Visvesvaraya Technological University
Bachelor of Science in Engineering
2016

Certifications

- **AWS Certified Solutions Architect** – Associate (Issued Oct 2022 Expires Nov 2025)
- **AWS Certified Cloud** - Practitioner – (Issued May 2022 and Expires Oct 2025)
- **HashiCorp Certified: Terraform Associate (003)** – (Issued Apr 2024 and Expires Apr 2026)
- Applied for the AZ-400 DevOps & GCP Associate Cloud Engineer Expert examination to upskill my knowledge

Professional Profiles & Social Media Links -

- Professional Profiles: <https://medium.com/@nageshaks9743>
- Social Media Links: <https://www.linkedin.com/in/nageshaks/>
- Portfolio: <https://nageshsomashekara.com/>
- Coding Projects / GitHub: <https://github.com/NAGESHGOWDA1993>