

Nagesha K S

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Overview

- Accomplished DevOps Engineer with over 5 years in cloud computing, continuous integration and continuous delivery (CI/CD) to enable near-instantaneous deployment of products and services on cloud
- Expert in designing, implementing and maintaining complex cloud infrastructure on platforms like AWS and Azure and in the automation of cloud infrastructure and deployment
- In depth expertise in version control systems like Git, containerization using Docker, orchestration using Kubernetes, configuration management using Ansible, and Infrastructure as Code (IaC) using Terraform
- Built and deployed resilient cloud architecture, to deliver secure and resource-optimized cloud solutions for implementation of advanced technological competencies across organizations

Technical skills

AWS • Azure • GCP(Basics) • Docker • Kubernetes • Jenkins • Gitlab • Git • Ansible • Terraform • RedHat • Linux • Ubuntu • Windows • Apache Tomcat • Vault • Bash • Python • Powershell • NodeJs • CloudWatch • Splunk • Datadog • Jira

Professional Experience

Tech Grids UK

Nov 2022 to date

A digital transformation consulting and software development company

DevOps Engineer

Working on internal development application similar to Aggregator - end to end infra setup using DevOps tools in AWS

Team size 5

- POC Specialist creating and executing proof-of-concept projects to validate product concepts and support strategic decision-making
- Manage servers on the AWS and Azure platform instances using Terraform
- Handling issues related to Docker / Kubernetes
- Helping customers to deploy micro services based solutions in AWS Cloud

Achievements at Tech Grids

- As Part of Amazon Web Services container deployment team, working as container expert and helping customers to containerize and migrate their application from on-premises or from other cloud to AWS ECS, EKS and other AWS native DevOps services /solutions
- Implemented AWS Backup solution related to cost optimization - Saved 30% annual cost
- Conducted a proof of concept for Amazon S3 File Gateway
- Delivered high availability 99.9% systems in production environments

TATA (TCS)

Aug 2022 to Sep 2022

A global leader in IT services, consulting, and business solutions

Cloud & DevOps Engineer

Worked in team of 12 members

- Created and maintained fully automated Jenkins CI/CD pipelines for code deployment using Groovy script
- Maintained a fully automated AWS AMI cycle using the Packer tool
- Handled systems with Configuration Management Systems like Puppet
- Used version control system tool GIT, Bug tracking tools like JIRA
- Release and Change Management activities for deployment to business end users
- Handled the Operation alerts, addressing the failure of PODs by monitoring the Splunk logs and NewRelic logs and action based on the records and reason for failure

Projects / Achievements at TCS

Client: CISCO

Project: SCI (secure cloud interconnect) to access multicloud providers

- Automated numerous automation solutions related to cost optimizations like AWS AMI deregistration and Snapshot cleaner using AWS Lambda
- Effectively worked with teams to ensure high quality and timely delivery of builds and releases process

A global manufacturer of interconnect components for numerous industries including: Aerospace, Defense, Industrial, Medical, and Telecommunications

Cloud Engineer

- Designed, configured and managed AWS infrastructure, including EC2, VPC, AWS Lambda, Elastic Load Balancer, Cloud Watch, Cloud Trail, S3, MySQL, RDS MongoDB (SQL) database, SQS, SNS and IAM
- Created Terraform scripts to move existing on-premises servers to the cloud environment
- Worked using Agile methodologies and practices
- Implemented end-to-end CI/CD pipelines for various applications using Jenkins
- Designed and implemented Ansible configuration management systems, and virtualized servers for the Dev and Test environment needs using Docker

Achievements at Radiall India

- Developed a "Serverless Static-Web Application" using Lambda, Amplify, IAM, API, DNS, DynamoDB, and S3 which has been completed
- Created Terraform scripts to move existing on-premises servers to the Cloud Environment
- Automated the deployment and management of AWS services, including compute, storage, networking, databases, and more, allowing for rapid and consistent provisioning of infrastructure and reducing the risk of errors and misconfigurations using Terraform

Bharat Electronics Limited

Feb 2018 to Feb 2019

Junior Cloud Engineer

- Created and managed IAM users, groups and policies using Terraform as IaC and Jenkins as a code CICD
- Worked on Network related activities like establishing the peering connection between VPCs and adding the NACL rules to subnets with Terraform and troubleshooting network, S3, SQS, RDS Snapshots and IAM-related issues
- Source code management (version control system) tools like Git and Bitbucket
- Configuring and troubleshooting TCP/IP networking, and performing daily, weekly and monthly IT services checks as required
- Used continuous monitoring tool Trend for protecting all AWS servers from malware and use cloud-trail and cloud watch as part of monitoring
- Experience in Team onboarding, Instance profile, Hosted zone, Bastion Host, Lambda role and ACM creation

Volunteer Activities

OxFam- Implementing DevOps Practices to enhance efficiency and collaboration in Humanitarian Organizations: A Case Study of Oxfam

Certifications

AWS Certified Solutions Architect – Associate (Issued Oct 2022 Expires Nov 2025)
AWS Certified Cloud Practitioner (Issued May 2022 and Expires Oct 2025)
Applied for the AZ-400 DevOps Expert examination to upskill my knowledge

Education

Bachelor of Engineering

Visvesvaraya Technological University -2016

Skills / Competencies

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

Technical YouTube Channel: https://www.youtube.com/channel/UCJmTZsqfiMizl5R8zki_msA

Tech Blog: <https://medium.com/@nageshaks9743>

GitHub: <https://github.com/NAGESHGOWDA1993>