Shubham Sinha

DevOps Engineer · Around 5 YOE

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Overview

Results-oriented DevOps Engineer with 5+ years of experience designing, implementing, and automating cloud infrastructure and deployments. Proven expertise in Infrastructure as Code (IaC) with Terraform, continuous integration and continuous delivery (CI/CD) pipelines, and containerization with Kubernetes. Passionate about open source and fostering collaboration within teams. A firm believer of the agile way of making small incremental changes towards achieving big goals.

Active Certifications

Other/Past Certifications

- Red Hat Certified System Administrator
- Red Hat certified expert in OpenShift Administration
- Red Hat Certified expert in Ansible automation
- AWS Certified Developer Associate
- AWS Certified Cloud Practitioner

Work Experience

SourceFuse (Nov 2020 – Current)
Roles:
DevOps Engineer (Current), Junior DevOps Engineer
Highlights:

- Awarded for teamwork and agility demonstrating leadership and commitment to collaboration.
- Own and contribute to the development of organization's open source Terraform modules, promoting reusable infrastructure code.
- Leveraged Terraform and AWS to build, manage, and scale cloud infrastructure across multiple environments.
- Collaborate with cross-functional teams to understand project requirements and deliver secure, efficient infrastructure solutions.
- Drive automation initiatives across CI/CD pipelines using GitHub Actions and Jenkins, optimizing development velocity, and minimizing manual effort.
- Implemented Kubernetes clusters and Helm charts for containerized deployments, achieving increased agility and resource utilization.
- Employed Bash and PowerShell scripting for automation tasks, enhancing operational efficiency.

Skills:
Terraform, AWS, GitHub Actions, Kubernetes, Helm, Bash, PowerShell, Jenkins, OSS

Daffodil Software (Jan 2019 – Oct 2020)
Roles:
Junior Associate IT (DevOps)
Highlights:

- Collaborated on designing cloud-based solutions on AWS, considering functional, scalability, cost, compliance, and performance needs.
- Developed Ansible playbooks and roles, streamlining configuration management and onboarding new team members to the technology.
- Documented architectures, procedures, tools, and best practices, enabling knowledge transfer and team alignment.
- Actively participated in internal training programs, demonstrating continuous learning and commitment to professional development

Skills:
Ansible, Kubernetes, AWS, GCP

Projects

IaC migration of an Enterprise Grade AWS Infra

Scope:
An enterprise client wanted to migrate their manually created infra on AWS to Terraform. Our goal was to support them through this transition by implementing reusable and easy to maintain IaC in Terraform and work together create the surrounding automation for the deployments.

Highlights:

- Reduced manual configuration.
- Improved infrastructure consistency.
- Faster deployments with GitHub Actions and Terraform.

Internal development platform

Scope:
Our organization needed to standardize our infrastructure across projects and create reusable components to speed up the initial infrastructure setup. This had to be made available to teams via a self-service platform.

Highlights:

- Increased developer productivity
- Reduced environment setup time using reusable IaC components.
- Improved infrastructure management

Backend API product for 5G infra of an enterprise client
Scope:
Our client was an Enterprise with their own 5G platform, working with various vendors to deliver infrastructure services and solutions to telecom companies. They needed to develop a mission critical API service to meet the telecom compliance requirements in their country.

Highlights:

- Increased API uptime and availability
- Supported the team through the development.
- Improved audit and security compliance
- Reduced incident response time