Shubham Sinha

DevOps Engineer · Around 5 YOE

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Overview

Driven by my interest in learning and implementing new tools and technologies, I am a firm believer of the agile way of making small incremental changes towards achieving big goals.

Active Certifications

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
- Junior DevOps Engineer

Highlights:
- Awarded for teamwork and agility.
- Contribute to org's owned open source Terraform modules.
- Handled communication with different stakeholders to meet overall project requirements.

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

Daffodil Software (Jan 2019 – Oct 2020)

Roles:
- Junior Associate IT (DevOps)

Highlights:
- Designed and helped in designing Cloud-based solutions that fulfilled the functional, scalability, cost, compliance, and performance requirements (on AWS)
- Created Ansible playbooks and roles and helped peers to get started with Ansible.
- Documented various architectures, procedures, tools, and practices.
- Active participant in internal training programmes

Skills: Ansible, Kubernetes, AWS, GCP

Projects

IaC migration of an Enterprise Grade AWS Infra

- Setup IaC and surrounding automation for moving manually created as well as CDK generated resources to Terraform.
- Importing existing resources or create newer more optimised configuration for resources wherever necessary.
- Plan stage wise migration of different Infra and application resources on AWS.
- Integrate GitHub Actions and create CI/CD automation.

Backend API product for 5G infra of an enterprise client

- Deploy and maintain the APIs in the various environments on the client's proprietary container platform on their on-premises infra.
- Meet various audit and security related requirements by integrating with various tools (like artifactory, keycloak, istio, f5 etc.) and services on their platform.
- Disaster recovery and support on incidents for production.
- Automated deployments using Jenkins and AWS DevOps tools.

Internal development platform

- Leverage IaC (terraform) as well as OSS tools like backstage to enable developers to set up new environments with minimal effort and time.
- End to end CI/CD with Terraform using GitHub actions.
- Create and maintain templates for repetitive configurations.
- Create and maintain reusable terraform modules.

Mobile game backend for a card game

To implement and maintain the following:

- EC2 based infra with auto scaling.
- Self-hosted MongoDB Replica set.
- Secure Connectivity with on premise servers and AWS Infra with AWS Site to site VPN.
- Automated deployments.
- Automated SSL certificate updates for multiple application endpoints.