DevOps Tech Lead | Shahbaz

Summary

Has good experience in managing and contributing to all aspects of cloud automation including automated infrastructure provisioning, container and Kubernetes automation , complete product lifecycle along with security and operation. Applied best DevSecOps practices to manage microservices based services in cloud native environment.

Expertise

- Automate container-based services lifecycle in multi cloud Kubernetes environment
- Leading DevOps team members to write CI/CD, operation and security automation in Kubernetes environment.
- Write terraform automations and libraries to perform software defined provisioning.
- Do cloud architecture with AWS , Azure ,GCP based cloud services.
- Manage security and operation aspects of cloud services
- Write serverless automation in cloud
- Do cloud migration and application refactoring.

- **Tools Used** -- Terraform, Docker, Kubernetes, AWS, Python, Tekton, Jenkin, Jenkin-x, Git, Prometheus, Grafana
- **Cloud Used** – AWS, Azure, GCP, Microk8s

Qualification

Has Bachelor Degree in Computer Science

Certification

AWS Certified Solutions Architect
Certified Kubernetes Application Developer
Certified Kuberenetes Administrator
Red-hat accredited IAAS
VMWare Certified Cloud Associate

Recent Engagements

Synectiks Appkube Platform
(AWS, Kubernetes, Docker, Terraform, Tekton, Jenkin-X, Python, Lambda, Cloud Formation, Shell)

- Worked on writing terraform modules to provision highly secure configurable Kubernetes cluster across cloud
- Worked on applying Kubernetes storage and network services to provision service delivery framework.
- Worked on Kubernetes Teton CI/CD framework to do services CI/CD automation
- Worked on Kubernetes operator framework to provision services in Kubernetes
- Actively manage, improve, and monitor cloud infrastructure on AWS, EC2, ECS, S3, ES, RDS, LAMDA, ROUTE53, IAM including scaling and automation.
- Built Python Based Cli Automation scripts to implement compliance standards like CISP / PCI - DSS / HIPPA for AWS continuous security audits.
- Worked on framework for metrics / log / traces integration of services with operation.
- Built and deployed Infrastructure As Code using AWS cloud formation

Cloud Migration & Modernization Project
(AWS, Python, Terraform, MsSql, Elasticsearch, Docker)

- Worked on cloud architectures and security framework for target migration system
- Worked on the cloud formation automation to create NIST compliant product enclave in AWS
- Worked on computing and storage lifecycle automation script , automated certain runbooks with AWS lambda
- Implemented the VPN and software firewall framework for AWS services
- Built and deployed AWS billing parser in Python using boto3 api to collect AWS real time billing information in elastic search database and produced analytics.
- Worked on production support and customer interaction
- Wrote terraform script to provision AWS kinesis for log streaming
- Wrote automation for VDI framework.