

K.T.

DevOps Engineer

DevOps engineer with 5 years relevant experience. His passion is to help the developer teams build ongoing automation and continuous monitoring throughout the lifecycle of apps, from integration and testing phases to delivery and deployment. Deep expertise in Kubernetes along with Cloud architecture and development. Proficient with Python and Bash scripting languages. Always looking for ways to help teammates and improve company performance. A team-oriented person with good conflict resolution, stress resilience, and critical thinking skills.

Technical Skills

- Knowledge of **Cloud Providers (AWS/GCP/Azure)**
- **IaC** skills using **Terraform** and **CloudFormation**.
- Container Orchestration using **Kubernetes, Helm** and **Docker**.
- Experience in building **CI/CD Pipelines** with **GitHub Actions, Jenkins**.
- Knowledge of **Version Control Platforms (GitHub, GitLab, Bitbucket)**
- Administering **Linux OS, RHEL, Centos 7/8**.
- Configuration management **Ansible**.
- Monitoring **CloudWatch, Datadog, Prometheus, Grafana, New Relic**
- Scripting knowledge with **Python** and **Bash**.
- Hands On Experience with **Snowflake Data Warehouse**.
- Experience with SQL Databases (**PostgreSQL, MySQL, ElasticSearch, MongoDB, Redis**).

Working Experience

Tech – DevOps Engineer

2020 May – Present

- Automating infrastructure in **AWS** (EKS, ECS, RDS) and **Google Cloud** (GCP Network, GKE Cluster, Cloud SQL) using IaC Tools such as **Terraform** and **CloudFormation**.
- Wrote clear documentation for own Terraform modules to **readme file and Confluence page**.
- Building a continuous deployment pipeline to deploy static applications in **AWS S3** with **GitHub Actions**.
- Creating flexible, reusable **modules to Terraform** configuration files for Dev, QA, Staging and Production environments of different Organizations.
- Designed and wrote **network architecture** for applications with VPC Services and VPN or Bastion server using **Terraform** and implemented **Infracost for IaC** to view resource costs.
- Modification of **Bash Script** to automatically download SSH keys to Bastion Instance from S3 Bucket.
- **Get Redshift sync to Snowflake Data Cloud** working using Amazon Redshift, AWS Glue
- Deployed a highly available and fault-tolerant **Kubernetes** infrastructure with **Terraform** in **GKE**
- Set up **Jenkins** to automatically deploy the application to different environments, including development, staging, and production. Databrew, Amazon AppFlow.
- Changed resource references to the remote state data source and **migrate the state to Terraform Cloud**.
- **Upgrading EKS, GKE clusters** version.

- Updated RDS reliable gate access modules and wrote Amazon Kinesis Data Firehose module **with zero down time by renaming resources in Terraform state file.**
- Deploying microservice application in **k8s** cluster with **Helm chart.**
- Worked with different CDN providers such as **CloudFront, Cloudflare**
- Provided low latency to the WebPage using **CloudFront**
- Designing backend part and writing a **python** code in **Lambda** to create items in **DynamoDB** Table

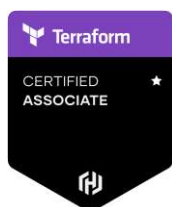
Welcome Abroad Relocations – DevOps Engineer

2018 Apr – 2020 May

- Hands-on experience on working with AWS Cloud infrastructure like **EC2, IAM, VPC, S3, RDS, ROUTE53, Cloud Watch, SNS, Cloud Trail, Glacier** and worked with setting up **RDS** and **DynamoDB**.
- **Dockerized** applications to break up monolithic apps into microservices. Created CI/CD pipeline to build, test and push docker images to **ECR**. Deployed and managed these containers on **AWS ECS**.
- Wrote configuration management scripts using **Ansible** to automatically update system components of instances and install necessary packages.
- Restoring necessary data from Glacier Storage Class to Standard S3 using **Python script**.
- **Troubleshooting experience and conflict resolution** in Bitbucket, GitLab, GitHub.
- **Merged** and **moved** resources between Terraform state files.
- Set up a recurring Security Hub summary email with **CloudFormation** and **Terraform**. Every week Event Bridge triggers Lambda to invoke the function that collects all data from Insights and sends email notification via SNS.
- Wrote AWS **ECR repository module** and single **module for multiple S3** Buckets via **Terraform**.
- Automated repeated tasks using **Python** and **Bash scripts**.
- **Created Terraform modules** from multiple configuration files of imported resources and wrote **Gitlab CI pipeline** to automate Terraform workflow.

Certifications

- **HashiCorp Certified: Terraform Associate**
- **AWS Certified Solutions Architect**
- **Certified Kubernetes Administrator**
- **Hands On Essentials - Snowflake Data Warehouse**



Education

- **Bachelor of Computer Science**
Kyrgyz State Technical University

Language

English – Upper-Intermediate (B2)