VIKRAM KUMAR

DEVOPS ENGINEER

PERSONAL PROFILE

A motivated and diligent professional, willing to innovate the existing technologies. Looking for an innovative and challenging environment that can fully utilize my capabilities.

AWARDS & ACHIEVEMENTS

Awarded with “Best Performer” with EE rating in july2023 in Groww

Awarded with "Doctor Strange" Award for demonstrating the superpower of Execution Excellence for the Q4-2020..

Awarded with "Paytm Star" Award in paytm for the best performer in Q4-2019

CONTACT INFORMATION




Cell: 971-503171950
Email: vickykumarmlt@gmail.com

EDUCATION

Punjab Technical University

Bachelor of Technology(CSE), 2012- 2015

- Full-time degree in Computer science engineering.
- Scored Grade A.

SKILLS AND ABILITIES

- AWS/GCP
- Docker
- Ansible/Salt-Stack
- Git
- Prometheus Stack
- Kafka/zookeeper(k8s,vm)
- Helm(version 3)
- ElasticSearch/Kibana
- Trino/Trino-gateway
- SuperSet
- Apache-airflow
- Kubernetes
- Jenkins
- ArgoCD/FluxCD
- GitHub
- Grafana
- ELK/Loki Stack
- GitHub-Actions
- Terraform
- CDC Stack
- Pinot
- Python

EMPLOYMENT HISTORY

DevOps Engineer

Almosafer (July-2024 - Present)

- Engineered an automated GitHub management platform leveraging Python and GitHub Actions for repository lifecycle operations, duplication prevention, access control, archiving, and branch protection policy enforcement.
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- Working closely with the DataPlatform team for infraData components.
- Smoothly handles Kafka clusters on k8s with more than 30Bil+ records per day
- Upgraded ES clusters to 8.11.x from 7.6.x and lower
- Plan and upgrade kafka clusters from v2.3.x/v2.4.x to v.3.6.x
- Create an airflow-gcs-sync plugin to sync dags from gcs instead of git
- Did the PoC on airflow and deployed self-hosted to replace google-composer and currently running more than 2k+ dags parallelly.
- Believes in Self-managed technology deployments instead of subscribing to Cloud management services.
- setup and own complete end-to-end CDC pipeline from MySQL, MongoDB to Kafka
- Managing/deploying workload in Kubernetes with custom-created helm-charts, ArgoCD as CD tool, GitHub Action as CI tool(exploring ArgoWorkflow for GH-based complete e2e CI/CD) on GKE(GCP)
- Managing Kubernetes secrets with bitnami-secrets(migrating to the vault).

DevOps Engineer-3 (promoted from DevOps-2)

Groww (Aug-2022 - July-2024)

- Working closely with the DataPlatform team for infraData components.
- Owns complete ownership of DataPlatform infra services like Airflow, Superset, Trino, Pinot, KSQL, and CDC Stack with Kafka/Kafka connect including Deployment/Management/Upgrades/Patches
- Smoothly handles Kafka clusters on k8s with more than 30Bil+ records per day
- Upgraded ES clusters to 8.11.x from 7.6.x and lower
- Plan and upgrade kafka clusters from v2.3.x/v2.4.x to v.3.6.x
- Create an airflow-gcs-sync plugin to sync dags from gcs instead of git
- Did the PoC on airflow and deployed self-hosted to replace google-composer and currently running more than 2k+ dags parallelly.
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Sr. DevOps Engineer (promoted from DevOps-1)

Fareye (Feb-2020 - July-2022)

- Worked on a project to move infrastructure from VMs to k8s
- Implemented and worked on Kubernetes with the GitOps methodology.
- Working on fluxcd for the seamless CD of k8s deployment with helm charts.
- Working on AWS Cloud for fulfill infrastructure requirements.
- Working on AWS Services like EC2, ELB, ASB, VPC, IAM, Route53, S3, CloudWatch, ElasticCache, and others.
- Migrated Jenkins jobs from freestyle to declarative pipelines
- Helped to migrate Ansible playbooks to Ansible roles.
- Using Terraform for IaC.
- Implemented Prometheus stack from scratch along with Thanos and alert-manager and integration with Pagerduty, gchat, slack, email.
- Automated Prometheus/Thanos ruler alerts in git-ops methodology.
- Implemented ELK Stack from scratch for log aggregation.
- Working on Kafka, zookeeper, and also taking part in Kafka version up-gradation.
- Played a major role in Ubuntu up-gradation(14.04LTS to 20.04LTS)
- Helped DBA to upgrade PostgresDB up-gradation(9.6 to 12.5).
- Documentation of every new tech leveraged in the organization for creating a knowledge base for new joiners.
- Lead the activity of ElasticSearch upgrade from 6.8.7 to 7.14.

TechOps Engineer/Junior DevOps Engineer

Paytm(Sept-2016 - Feb-2020)

- Working with DevOps and the development team to fulfill their automation needs.
- Creating Jenkins job and shell scripts to automate daily tasks.
- Using Prometheus stack for alerting and also configuring alerts.
- Troubleshooting application and system issues.
- Releasing new code on VMs by triggering Jenkins jobs or also manually(if required).
- An on-call person to tackle the alerts

Linux Administrator(InternShip) July2015-Jan2016

- Worked on Linux systems.
- Hosted PHP website on Linux systems