Sumit Srivastava

DevOps and Cloud Platform Engineer

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Experience 1/2

Invideo **Mumbai**
Senior Devops Engineer *May 2022 - Present*

- IAP based SSO implementation using Pomerium to securely access private databases inside a VPC.
- Responsible for maintaining and writing IAC using Terraform
- Secret management within AWS EKS using AWS Parameter Store and CSI driver.
- Data Archiving pipelines with AWS Backup.
- End to End CI/CD Pipelines using custom composite GitHub actions for EKS deployments with linting and security check pipelines.
- Implemented Scalable LGTM Observability stack for continuous logging and tracing of EKS Applications
- Added Synthetic monitoring for all the public APIs in order to monitor the Uptime and internal SLAs
- Managing the On-call process and the escalation policies with Pagerduty and slack

Invideo **Mumbai**
Devops Engineer *May 2021 - April 2022*

- Build the ETL Pipeline using AWS Glue and Redshift
- Build automated vulnerability scan pipelines using Checkov and Tfscans.
- AWS AMI build automation using Ansible and Packer

Radware **Bangalore**
Software Engineer R&D - DevOps *Feb 2019 - May 2021*

- Designed a scalable infrastructure to load balance GRPC traffic over multiple microservices using Nginx and Envoy ingress controllers and reduced the latency by 20%.
- Designed an infrastructure matrix in GCP over a private shared-network, to deploy applications and hold data in more than 10 different regions to maintain GDPR policies using terraform and helm.
- Developed a cloud independent middleware wrapper, which interacts between ML modules and cloud.
- Developed an auto-scalable scheduling framework to submit ML jobs using AI platform and K8s APIs.
- Responsible for managing TLS/SASL enabled Kafka clusters to handle 100K RPS of live traffic.
- Developed alerting and monitoring system using Prometheus, Slack and ELK stack.
- Responsible for managing more than 10 GKE clusters with 50+ microservices.
- Responsible for optimizing K8s node-pools and applications to run in the preemptible environment to reduce 30% cloud cost.
- Developed pipeline to configure HPA on external or custom metrics using Prometheus and Stackdriver adaptor.
- Responsible for managing Redis clusters in Kubernetes for the caching system to store 600+ GB of data.
- Automated CI/CD pipelines for backend/ml modules using Jenkins, Bitbucket and helm.

Shieldsquare **Bangalore**
DevOps Engineer *Feb 2017 - Feb 2019*

- Setup a private VPN server to access staging and production machines using OpenVPN.
- Managed IAM, Firewall rules, Cloud Armour policies and Kubernetes Cluster Roles in the organization.
- Designed an archiving system to store production data in GCP storage bucket and BigQuery.
- Streamed live traffic in BigQuery using Python and Kafka for real-time analysis.
- Managed sharded Mongo cluster to handle 10K RPS of traffic with fault tolerance and high availability.

- Developed a CDN based front-end infrastructure to host custom JavaScript files globally.

- Migrated production infrastructure from AWS to GCP.

- Managed production domain names hosted zones in Route53.

ChrisDev Limited   **Trinidad & Tobago**
Front-end Intern   *June 2016-July 2016*

- Developed front-end templates using Zurb Foundation, Django and Python

Creatella   **Singapore**
App Developer Intern   *May 2016-August 2016*

- Developed UI/UX of a language learning application using Framework7.

Skills

- **Languages:** Python, Bash, Go
- **CI/CD and Configuration Management Tools:** Terraform, Ansible, Helm, Packer, Atlantis, Jenkins , Github Action
- **Cloud Platoforms:** GCP, AWS
- **Container Platforms:** Kubernetes, Docker, GKE, EKS , FLY.IO
- **Monitoring Tools:** ELK stack, Prometheus , Stackdriver, DataDog, Signoz , Grafana LGTM stack
- **Databases:** Redis ,Kafka, MongoDB, BigQuery, DynamoDB , RDS , RedShift
- **Version Control Platforms :** Github, Bitbucket, GitLab
- **Operating Systems:** Ubuntu, Centos7, Redhat7

Education

- **Shri Mata Vaishno Devi University**   **Jammu**
  B.Tech in Computer Science and Engineering, CGPA–7.04/10   *2013–2017*