

Hariom Vashisth

DevOps Engineer IV at RingCentral

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PROFILE SUMMARY

8+ years of work experience in implementing DevOps practices

My main responsibilities include but not limited to:

- setting up entire DevOps architecture from scratch
- complex CI/CD pipelines implementation and support
- Platform Engineering: Development of internal frameworks for developers/SRE and operations
- monitoring, alerting and logging solutions implementation

Tech Stack:

- Platform: Linux
- Cloud platform: AWS
- Source code: git, GitLab and Bitbucket
- Scripting: Groovy, Bash, Python (pet projects)
- REST API: NodeJS, ExpressJS and MongoDB
- Container Orchestration: Kubernetes and Docker-swarm
- CI/CD: Jenkins, Pipeline-as-code and Shared Libraries
 - Build [Java, Python, Scala, NodeJS, ReactJS, Go, Docker] - Versioned Artifacts
 - Testing and code analysis [Sonar, Twistlock] - Custom UnitTest Framework
 - Vulnerability Scanning [Trivy, snyk, crowdstrike]
 - Artifacts Repository [Harbor, Nexus, Self-Hosted Docker Registry and ECR]
 - Configuration Automation [Ansible]
 - Deployment [Ansible, Docker-Compose, Docker-Swarm, Helm]
 - Logstash/FluentD/RsysLog/Filebeat -> Kafka -> Logstash -> Elasticsearch -> Kibana
 - Telegraf -> InfluxDB -> Grafana
 - Graylog

- Open-source contribution
 - [Content Pack for Graylog2 which supports HTTP Real-Time logging and Monitoring from HAProxy](#)
 - [Kubernetes - Microservice\(s\) Log Extractor](#)
 - [lazyGit – Git for Lazy Ninjas!](#)
 - [Mattermost/Slack Notification Service | AWS Lambda](#)
- Web-Application Security
 - Bug Bounty: [Razorpay](#), StayUncle, EatWith

PROFESSIONAL EXPERIENCE

DevOps Engineer IV, RingCentral - Feb/2022 - Present – Remote

- Migrated all the components from various operating systems and java distributions to a standardized Amazon Linux 2 / Amazon Corretto configuration.
- Implemented a fully automated process of updating components with the latest security patches for the product, which was not updated for years before that.
- Developed and implemented a new standard wrapper for CI/CD pipelines
- 75% microservices moved to new standard wrapper

Lead DevOps Engineer, Airtel - June/2019 - Present - Gurgaon, India

- CI/CD Framework Development - Release Management via JIRA Ticket
- Cluster Setup and Deployment of Applications
- Defining Policy: GitBranching, K8S usage, JIRA Workflow
- Brainstorming and Implementation: Data Platform, DevOps Buildpack Generator
- CI/CD of multiple docker/non-docker micro-services
- Big Data (Hadoop/Abinitio) AdHoc Process Automation
- Notification: Created and deployed a comprehensive alert notification framework, addressing limitations of current communication channels, including Teams, Slack, Mattermost, Telegram, Email, ServiceNow, Elasticsearch, and InfluxDB.
- Scraper: Designed and implemented a versatile scraper framework for automating actions on Kibana, Abinitio, Grafana, and QlikSense, using web scraping techniques.

- Alert: Self-subscribing system that runs on top of notification framework and enables developers/ops and DevOps to enable alerting for ingested or connected applications for almost all communication tools supported by notification-framework
- Event Scheduler: Developed and implemented an advanced event scheduler utilizing Jenkins, Airflow, and Bash, with a user-friendly interface for monitoring and managing tasks and events.

DevOps Engineer, Exzeo Software Pvt Ltd - June/2018 - May/2019 - Noida, India

- Centralized Logging and Monitoring
- Build & Release automation [JIRA to Jenkins - CI/CD - Lambda]
- Kubernetes setup on AWS with KOPS and JenkinsX
- Kubernetes CI/CD with Jenkins and Helm
- Bash/Shell Scripts -
 - S3-Based Backup/Restore for Elasticsearch
 - Automatic backup of log files to S3 from EC2 instances
 - Automatic Start/Stop/AMI-Backup of EC2 instances
 - Automatic disk cleanup on CloudWatch alert
 - Kubernetes dev env setup
 - Kubernetes microservice-app log extractor
 - Git cherry-pick automation
- Private docker registry setup with UI
- Private NPM repository setup with UI

DevOps Engineer, SocialCops - March/2018 - May/2018 - Delhi,India

- MongoDB replica set on Kubernetes cluster with Helm on GCP
- Elasticsearch cluster setup on AWS/GCP
- Blue-Green Deployment of the application on Kubernetes (zero downtime)
- Kubernetes production issues

Tech Lead, SamayLa - Jan/2017 - March/2018 - Gurgaon, India

- Migration from third-party-hosting to Amazon AWS cloud
- Migration of server-side rendered app to SPA (AngularJS)

- Configured Nginx as a Gateway for applications and Monitoring HTTP traffic with NGINX Amplify
- Automated SSL Encryption for Servers with LetsEncrypt and Nginx
- ModSecurity 3.0 compiled with NGINX for securing applications
- Bash/Shell Scripts:
 - Tool for launching, hardening, and domain mapping with EC2 instances
 - Responsive Emailer Generator
- Integration of newly built systems with the legacy system
- Integration layer (backend) developed in order to plug third-party-apps

Full Stack Developer, Zillion - Aug/2015 - Dec/2016 - Gurgaon, India

- Member of On-Demand Software Development Team - Client Projects
 - On-Demand booking of Meeting Rooms, Training Rooms, Hot-Desks on Hourly/Daily/Monthly-Basis for a bootstrapped company
 - On-Demand Waste Management Solutions for funded startup
 - On-Demand Decision Making Tool for the prestigious retail firm of India

Application Analyst, ITC Ltd - Sep/2014 - July/2015 - *Gurgaon, India*

- Business Process Automation / Application Development:
 - Development, Enhancements and Bug fixing
 - SQL-Server Installation, Configuration and Migration
 - Test solutions including test cases, FS, UAT etc
- Application Support
 - Maintain 24x7 availability of critical solutions
 - Retail application support to brand outlets
 - Ensuring high availability of production databases, regular maintenance activities, database design, query optimization, data extraction

EDUCATION

- **Bachelors in Information Technology - (2010-2014) - GGSIPU - Delhi, India**