

# AKASH VERMA

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## Professional Summary

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DevOps Engineer with 3+ years of experience in designing, implementing and managing cutting-edge CI/CD and infra-automation of hybrid cloud resources. Ability to troubleshoots issues related to web and application servers.

## Skills

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**Languages:** Shell Script, Python, Ansible, Groovy

**Repository Tools:** Git, SVN, Gitlab, Github, Bitbucket

**Build Tools:** Apache Ant, Maven

**CI/CD Tools:** Jenkins, Gitlab-CI, IBM UCD,

**Monitoring Tools:** Icinga2, Nagios, Netdata

AppDynamics, Graylog, ELK, Splunk,

Prometheus, Grafana.

**DB Tools:** MySQL, Mongo, SQLite.

**DB Management Tools:** Flyway

**Artifact Management Tools:** Nexus,

Jfrog

**Operating systems:** Windows, Linux (Centos, REDHAT, Ubuntu) (GCP, Azure, AWS and VMWARE)

**Web/Application servers:** Nginx, Tomcat, Haproxy, JBoss, Springboot (configuration and troubleshooting)

**Other Tools Configuration and Management:** Solr, Redis, ActiveMQ, Zookeeper, Consul

**Release Management**

**DevOps, Docker, CI/CD**

**Kubernetes, Terraform**

**Helm**

**Cloud Techs:** AWS, GCP, Azure, VMWARE

## Work History

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**DevOps Engineer**

September/2019 to present

**Quotient Technologies India Pvt Ltd** – Bangalore, Karnataka

- Rest applications auto heal automations for GCP infra using IBM UCD and Jenkins. On failure coming from Load balancers.
- Complete automated DR setup automation for Azure cloud applications using IBM UCD for compliance purpose.
- RIQ project migration to Google Kubernetes from legacy on-prem infra to GCP. Complete microservices based architecture CICD automations through Jenkins, helm, IBM UCD.
- Data Centre migration from LV1 to IAD  
Automation for VMWARE infra provisioning, application migration in Ansible. CD setup for new environments in IBM UCD. Continuous Monitoring setup for new infra and its automation in ansible for Nagios tool.
- Inlane Printing: Google Kubernetes based project complete maintenance and new infra provisioning automation using terraform. CD deployment setup for Microservices using GCP deployment for creating, updating GKE clusters.
- QUACK: Organization details provider and recurring issue resolving chatbot with Google NLP service and python flask backend service.
- WSFTP setup for IAD environment, On premise to GCP bucket data transfer setup and its retrieval automation, GCP bucket object life cycle setup.

- Mercurial to GitHub migration and its automation in shell script. All Jenkins jobs restructuring new declarative pipelines for each CI jobs.
- Provide complete support to SRE, product and release management teams for release, infra and applications issues for DEV, QA and Production environments
- Vulnerability patching automation for all cloud and VMWARE infra, using Jenkins, IBM UCD and Ansible.

## **DevOps Engineer**

March/2018 to August/2019

### **Zycus Infotech Pvt Ltd – Bangalore, Karnataka**

- Made Splunk universal forwarder installation setup automation in Ansible. Splunk apps, index and sourcetype configuration automation in ansible.
- Made CICD for AI based product Merlin-AI in Ansible with Jenkins pipeline job. Maintained large data file models with tool DVC.
- Made Continuous deployment and ERT compatibility process for 9 Products (DewDrops-Common, DewDrops-Common-Services, DewDrops-LMT, DewDrops-LMT-Services, ZygrateSecurity, Zygrate Outbound services, DewDrops, iPerform and GDS) Automation scripts in Ansible and deployment through Jenkins pipeline job (Groovy).
- Ported existing CI of product eInvoice over Docker Containers with Jenkins pipeline job
- Gitlab Migration from version 8.5.0 to 10.5.0 through complete automation in shell script and Jenkins freestyle job.
- Done complete setup for 3 new environments (QC, SIT and DEVD) similar to production environments.
- Icinga2 version upgrade 2.6 to 2.8, complete automation in Ansible and Jenkins pipeline job. Resolving issues related to installation and upgrade.
- Made Data archival process for integration product through flyway, automation scripts in Ansible and Jenkins pipeline job.
- Gitlab custom hooks for post deployment process, file validation and access control in shell scripts.

## **Linux System Administrator**

August/2017 to February/2018

### **Just Dial – Mumbai, MH**

- Made Continuous Deployment process on data Janus servers in shell scripts.
- Maintenance of Continuous deployment process for JdOmni product.
- Server Monitoring with Nagios, Netdata.
- Automating process with shell scripting.
- Given support on Linux Server Centos, Redhat (Boot Settings, Iptables, DNS, DHCP, Apache, Mail- Postfix, NFS, FTP, Samba, Syslog, Logrotate, Nginx, User and Group Settings, File Permissions, MySQL, Tomcat, Apache ANT, Apache Subversion, Jenkins) Configuration, installation and Troubleshooting.
- Troubleshooting the issues related to product on application servers (nginx, http, https, haproxy etc.).

## Education

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PG-Diploma in IT Infrastructure System and Security 2017  
Centre for Development of Advanced Computing, Innovation Park - Pune, MH  
Project on Distributed Password Cracking with MPI clustering.

B. Tech (Electronics and Communication) 2012-2016  
Moradabad Institute of Technology - Moradabad, UP  
Intermediate in Science 2011

## Accomplishments

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- Quotient Technology Hack day 2019, 1st prize for Tech and Innovation.
- Published complete Prometheus automation in ansible at GitHub.
- Published complete AppDynamics automation in ansible at GitHub.
- Spot goody at Zycus for Blue Release Deployment Oct 2018.
- Team goody at Zycus for overall achievement.
- published a research paper on project “coin based solar mobile charger” at International Journal (Impact Factor-5.8) IJRITCC, ISSN:2321-8169, Volume: 4 Issue: 4, 151-153, April 2016

## Personal Information

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- GitHub URL: <https://github.com/akki8400>
- LinkedIn URL: <https://www.linkedin.com/in/akki8400/>
- Languages known: English (proficient in LSRW), Hindi, German(A1)
- Date of birth: 12th October 1994