

# Ritesh Kumar

Passionate software engineer with devops, ML and big-data analytics skill sets

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Github:

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## EXPERIENCE

### Agiliad Technologies, Pune — *Software Engineer*

Sep 2018 - Jun 2020.

### Agiliad Technologies, Pune — *Senior Software Engineer*

Jul 2020 - PRESENT

Working as a Senior Software Engineer with two plus years of experience in devops and automation projects..

## EDUCATION

### CDAC, Noida — *PG DBDA*

2018

Pursued post graduation in Big data analytics.

### D.C.R.U.S.T, Murthal — *B.Tech (C.S.E)*

2012 - 2016

Pursued graduation in computer science engineering.

## SKILLS

Python, Java, Bash, Ansible,

Vagrant, Docker,  
Docker-Compose, Jenkins, Git,  
LDAP, AKKA, Nginx, HAProxy,  
Openssl,

Hadoop, Kerberos, Spark, Kafka,  
Zeppelin, Machine-Learning

VMware, vCenter, AWS

DCOS, Kubernetes, Openshift

SBT, Gradle

Vertica, Postgres,

Prometheus, Filebeat, Logstash,

JIRA, TestRail, Robot, Selenium,

Linux, Windows

SCRUM

## CERTIFICATIONS

- Lightbend Inc- Certified  
Reactive Architect Exam  
V4

## LANGUAGES

English,Hindi

## PROJECTS

### Designing and Deploying Devops Infrastructure —

#### Roles

- Writing Ansible playbooks for different components related to infrastructure stack
- Containerizing different services using docker
- Deploying and Administering DCOS (Mesosphere) clusters
- Writing DCOS based yaml snippets for different ETL jobs and services
- Writing python and shell scripts for any automation required
- Integrating different components of infrastructure with LDAP
- Creating SSL certificates for different services requirements
- Configuring different services to run behind Proxy servers
- Deploying and Administering Kafka clusters
- Deploying and Administering Vertica clusters
- Writing Jenkinsfile and configuring Jenkins for CICD of different services across different teams
- Implement monitoring for all the components and services running in the environment
- Designing and supporting the developer's environment of different teams
- Deploying and managing vms on ESXi hosts using vcenter and ansible-playbooks

### Designing Automation Framework—

#### Roles

- Understanding the end to end flow of the product
- Designing the best approach to follow to automate the process of end to end testing
- Designing the scalability and performance testing approach for the product testing
- Containerizing the test execution environments using docker-compose
- Integration of Robot framework with TestRail for uploading test results automatically
- Writing python scripts for different test modules
- Creation of Robot scripts for using those modules
- Creating hybrid test suites for having API and UI tests together
- Modifying the kubernetes specific configuration file for running on Openshift cluster
- Deploying AWS EC2 instances and RDS for different testing infra requirements