# SUMIT KUMAR

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**Synopsis:**

Adynamic professional having 9.0 years of total IT experience and 5 years as DevOps Engineer and forwardness to build the career in the IT. Currently working with **Rackspace as a DEVOPS Engineer.**

**Technical Highlights :-**

* Extensive experience in installation, configuration and administration of Red Hat Enterprise Linux 6.x/7.x, Centos 6.x/7.xsystems.
* Experience in Setting up Chef environment, Working with Chef Cookbooks, Chef Recipes, Chef attributes.
* Create cookbooks in Bitbucket using Jenkins pipeline.
* Building/Maintaining Docker container clusters managed by Kubernetes.
* Deployed the containers as pods for each application in Kubernetes environment.
* Configured the Replication Controller/ Replica Set/ Deployment to balance the pods.
* Configured the Volumes to save the application data and claim it using persistent volume claim.
* Creating the ConfigMaps and Secrets for the specific application and rolling out the update.
* Troubleshooting the Kubernetes issues using kubectl CLI.
* Working with tools surrounding the Kubernetes ecosystem such as helm, kubectl, Prometheus, Grafana etc.
* Working experience with IaC tool Terraform.
* Provisioning VMs using Ansible Tower and configuration management with Ansible playbooks.
* Experienced with Amazon AWS Cloud Administration which includes services like: EC2, S3, EBS,

VPC,ELB, AMI, SNS, RDS, IAM, Route 53, Auto scaling, Cloudwatch, Security Groups.

* Experience in management of the whole infrastructure through Configuration Management tools like Chef with the help of CI (Continuous integration) tools like Jenkins and version control like Git.
* Knowledge of various network related services like NFS, DNS, DCHP.

**Technical Skills:**

**Operating Systems**

* RHEL 6.x/7.x, Debian, CentOS.

**Hardware**

* DELL (Power Edge), HP (ProLiant G7, G8, G10).

**Tools**

* Chef, Ansible, Terraform, Jenkins, GIT, Bitbucket, JIRA, Docker, Kubernetes, VMware vSphere 6.x

**Employment Summary:**

**DEVOPS Engineer**, October 2017 – Till Date

**Rackspace Technology** – Gurgaon, India

**Roles & Responsibilities:**

* Successfully implemented Continuous Deployment and automate server creation/configuration.
* Developed environment for one click deployment for multiple OS platform.
* Setup and Configuration CI tools (Jenkins) [Install new Linux VM for CI/CD, Security (Access to user  
  with read/Write permission), identify and install necessary plugin].
* Configure Chef with Jenkins to execute cookbooks from bitbucket and deploy on chef server to  
  see changes on respective nodes.
* Configure cookbooks according to DB/MW/Client requirement like sudo access/login/packages and  
  changes will be deployed on chef server.
* Configuring and monitoring Amazon EC2 instances with New Relic (Cloud Monitoring as a Service).
* Application/Server/Browser/Mobile/Availability monitoring and logging using APM New Relic tool.
* Provisioning and decommissioning of virtual and physical Linux servers using VMware vSphere desktop/web clients, HP & DELL ILO DRAC consoles.
* Adding or removing of VMware ESX host in vCenter, server power on, power off, change memory/CPU/disk space via vCenter server.
* Provisioning AWS infrastructure with IaC tool Terraform.
* Working with tools surrounding the Kubernetes ecosystem such as helm, kubectl, Prometheus, Grafanaetc.
* Building/Maintaining Docker container clusters managed by Kubernetes.
* Deployed the containers as pods for each application in Kubernetes environment
* Configured the Replication Controller to balance the pods.
* Configured the Volumes to save the application data and claim i t using persistent volume claim.
* Configured the Kubernetes Networking as Flannel in current environment.
* Creating the ConfigMaps and Secrets for the specific application and rolling out the update.
* Troubleshooting the Kubernetes issues using kubectl CLI.

**Environment:** Red Hat Enterprise Linux, CentOS, Debian, Chef, Jenkins, GIT, VMware ESX, Shell-Scripting, Zabbix

**Associate Consultant – System Administrator**, July 2016 – September 2017

**Tricore Solution Pvt Ltd** – Gurgaon, India

**Wipro InfoTech – Greater Noida–** Nov. 2015 – July-2016 as Linux Admin

**Roles & Responsibilities:**

* Configuration and management of standard Linux services like SSH and FTP as per requester’s requirement.
* Troubleshooting and management of remote filesystems like NFS, Automount and CIFS.
* Disk management (LVM and Raid). Both hardware and software raid are configured on raid levels 0, 1, 5.
* File system management which includes disk space, permissions and ownership related issues.
* User and Group Management
* Performance monitoring and resource utilization
* Job scheduling with Cron utility.
* Management of virtual linux servers with VMware VIC.

**System Administrator,** July. 2012– Nov-2015

**HCL Infosystems LTD - Noida**

**Roles & Responsibilities:**

* Run level and service management.
* Day to day Linux system admin activities
* Implementation and troubleshooting of password policies.
* Coordination with various vendors and ISVs for hardware or software issues
* Printer queue setups
* Quota related issues
* Configuration/troubleshooting of samba server for cross platform.

**Environment:** Red Hat Enterprise Linux, CentOS, Vmware Workstation, Zabbix

**Certifications:-**

* **RHCSA** certified (RHEL8).
* New Relic Certified Performance Pro.

**QUALIFICATION:**

* Three-year**Diploma** in **ELECTRONICS & COMMUNICATION ENGINEERING** from C.R. **POLYTECHNIC, ROHTAK** affiliated To **H.S.B.T.E.**, **PANCHKULA** securing 68% in 2012**.**
* Matriculation from **H.B.S.E.** securing 83% in 2009.
* GitHub Profile:- https://github.com/sumitsingh553

**CAREER HIGHLIGHTS:**

* Multiple times onsite experience across the India for server deployment.
* Won appreciations and applauds from my superiors for my hard work and efforts shown in meeting the project deadlines and taking lead roles.
* Mentored the team members as well as new joiners in the team.

**PERSONAL DETAILS:**

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| **Fathers Name** | Mr. Ranbir Singh |
| **DOB** | 31/05/1994 |
| **Nationality** | Indian |
| **Linguistic Ability** | English, Hindi |

Date: Signature: **Sumit Kumar**