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| **SANJEEV KUMAR** |
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**EX280 | RED HAT CERTIFIED SPECIALIST IN OPENSHIFT ADMIN** 

**D0405 | Red Hat Puppet Certification**

**RHCE|RED HAT CERTIFIED ENGINEER**. **CERT NO.-398334168214HPYK**

**Cert-ID: 100-134-394 CISCO ID: 398334168214HPYK**

**SUMMARY–Dedicated 10+ Yrs. exp. in DevOps with OpenShift, Kubernetes, Puppet, Ansible, Docker, Git, Bash, Python, Apache-Tomcat, Linux, Windows, Networking, etc.**

* Relevant exp in **Devops** 7 yrs
* Relevant exp in **SaaS (Jira, OneOps- Walmart) 4** yrs
* Relevant exp in **Linux** 9 yrs
* Relevant exp in **Puppet, Git, Docker & OpenShift** 6yrs
* Relevant exp in **Ansible, Python** 5yrs
* Relevant exp in **shell scripting** 6yrs
* Relevant exp in **Kubernetes, Jenkins, Maven, Artifactory** 5year
* NOC (Web Server Operations) 3 Yrs
* Relevant exp in **Application Server** - Apache-tomcat 2Yrs
* **Cloud** (**OpenStack,** **AWS, Azure Admin, Azure DevOps**) 2Yr
* Relevant exp in **Networking**, **Vmware**, **DataCenter, KVM** 5 Yrs.
* **CDN & ITIL:-** Knowledge on Akamai CDN and ITIL framework
* **Incident Management, Change Management, Daily Standup** 6 Yrs.
* Fast learner and willing to explore new areas of knowledge.
* Good organizational and presentation skills.
* Good problem solving and technical skills.
* Commitment to perform quality work.
* Interested to participate in Organizational activities.

**SKILLS SUMMARY**

* **Operating System**: Linux, Windows
* **Scripting**: **Bash**, **Python, Perl**
* **DevOps**: **Puppet**, **OpenShift**, **Kubernetes**, **Docker, Ansible**, Git, Maven, SaaS
* **Application Server**: Apache-Tomcat
* **Linux Administration**–server – ulimit, nfs, NIS, DNS, user Administration, file permission, special permission (SUID, SGID, Sticky bit), chown, cron, at, ACL, Quota Management, Fstab, backup (tar), LVM, RAID, Squid proxy, Kernel update, YUM, rpm, netstat, multithreading, I/O, etc.
* **Monitoring**: Zabbix, Prometheus, Grafana
* **Tools &Utilities**-**: NTop**, **Wireshark**, WinSCP**,** HPSA, Putty, SuperPutty, Notepad++ ,etc.

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**PROFESSIONAL EXPERIENCE**

Organization: US Technology International Pvt.Ltd

Project Name: T mobile, CISCO, Walmart, Amazon, AvidXchange

Duration: October -2018 – Till date.

Role: DevOps Engineer

Project: -AvidXchange: - Azure DevOps, Azure repos, ARM Template, App Registrations, Pipeline, vm (vm Troubleshooting), runbook, AKS, Loadbalancer, Topic, Subscription, Resource, Key Vault, Secret, Vnet, etc.

Octopus: - Octopus variable value, octopus tentacles, octopus service issue while deployment fail.

Project T-Mobile: AWS – Implement SNS & SQS, VPC, EC2, Loadbalancer, etc

Project CISCO: Cache Server, DNS Server- SOA, records, Zone Creation, troubleshooting, Linux Service, port security, MySql, etc.

Messaging - RabbitMQ- Troubleshooting, etc. Sonarqube – Code Analysis

Responsibilities:

Implementing DevOps Tools and Tech. to automate the work as per customer req., Daily Standup meeting.

**Kubernetes & OpenShift (3.9)** –Installation and config., SDN Plugins, nodePort, service, route, User administration (role- edit, view, admin), service Account, **Backup**- pod, project, etc, Project status, replica, autoscale, Blue-Green Deployment, resource **Quota** , limit, label, region, diagnostics, upgrade, metrics, limit, S2I deployment, rsh, rsync, docker storage, etc.

**Troubleshooting**–:pod debug, router, etcd, Event, log, describe, Image Stream, make docker image available in local registry, rollout, rollback deployment, Node **Maintenance**(drain)

**Security -:** Secret, ConfigMaps, Project and user security

**Deployment** – wordpress, php, mysql, metrics, gogs, etc, metrics install using ansible, redeploy running application by making change in git, etc

**Cloud:-** Walmart OneOps Certification Level 1 and 2.

1. **AWS** – EC2, VPC, S3, ELB, SNS, SQS
2. **AZURE** – Create VM using runbook or manual, Resource Group, AKS, Key Vault, **Azure DevOps** (repos, pipeline - YAML, stages, schedule stages, trigger, build), Tags, etc.
3. **Vmware** – Vcenter, esxi, networking, VMDK, Snapshot, backup restore, Template, Datacenter hardware console – HP ILO, Dell Vertex
4. **Private Cloud** – OpenStack – setup all instances, manage – glance, troubleshoot Neutron, SDN, etc

**Kubernetes storage –** pv, pvc

**Docker**- Troubleshooting, inspect, writing file.

**Vendor Coordination**- Send the report to RedHat for fault in OpenShift master or node after sending **sos** report.

**Ansible -** Apache and Tomcat deployment and configuration using roles.

**DATABASE** - **Mysql** - create db, add or delete table, troubleshoot.

**Security**: - Identify certificate expiry & renew.

**Project: -Walmart**- Walmart **SaaS OneOps** - Admin, Troubleshoot - vm, servies, networking, permission, automation, lb, etc.

Organization: **Cognizant**

Project Name (**Clients**)-: **WellsFargo**, **Comcast, Williams-Sonoma**

Duration: October 2016 – October 2018

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| Roles & Responsibility  Tools  Networking Tools | **Puppet –** Module & Manifest Development, Apache-Tomcat, jdk, etc. deployment using puppet.  **Facter- C**reate custom facter, which aren't available.  **Roles & Profiles-** Differentiate conf. using roles & profiles.  **Hiera -** Define repeat conf using hiera (yaml).  **Template** – Embedded Rubby (erb)  **Troubleshooting –** Certificate issue, service & port issue, Node issue, etc  **Kubernetes& OpenShift**- App push, rollout, rolebinding,  **Troubleshooting** using event, describe, log & loglevel, status, diagnostics, pv, pvc, etc  Managing Projects & Accounts using role, secrets,  Scale-up and down for application, **replica**, zone, **drain**, tag,  **Pod** – limit pod using resourcequota, limit  **Git** - Save puppet code in central location.  **Terraform: -** basic coding for resource creation.  **WebServer** - Apache  **Application Server -** pom.xml, maven build, etc  **DNS -** record troubleshooting, A, MX, CNAME, etc, dig  Putty, HPSA, Super-putty, winscp  Wireshark, fping, Ntop, netcat |

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| Organization | **Practo** |
| Designation | **DevOps Engineer** |
| project | **Insta Health Solution** |
| Roles & Responsibility | Upgrade and deploy latest version of Application with suitable tomcat version, Scripting for upgrade and all, **DB**- postgrees, back up by rsync, make user auto login by authorized key. Git |

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| Organization | **Snapdeal.com – (**Jan-2015- May 2016) |
| Designation | **System Engineer** |
| project | **DevOps & Cloud Support** |
| Roles & Responsibility | **Configuration Mgmt**- Install and configure routine packages by **Puppet**  **Firewall :-** Fortigate – Port level security, Network troubleshooting  **SaaS Jira -** Apache-Tomcat Jira - install, configure, HA, pacemaker, etc.  **DATACENTER**- Hardware - Dell Vrtx, Vmware, kvm,  **IaaS**- OpenStack  **Git Administration** – Merge, status, log, config, etc, also used Bitbucket.  **AWS**- EC2 instance manage, VPC Configure, troubleshooting, NAT Gateway, etc.  **Nginx,** Linux service and application issue, Linux Resource issue, Network Packet Monitoring  Scripting, Server Hardening. **DB**-Mysql |
| Operating Systems | Ubuntu, Linux RedHat, CentOS, Windows |
| Tools | WinSCP, Vmware, Putty, SuperPutty |

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| Organization | **NTT DATA** (Client -- **Morgan Stanley**) April-2012 – Jan- 2015 |
| Designation | **Build & Release Engineer** |
| project | **Web Server issues-** 400 & 500 Web error code fix, (Apache-Tomcat), configure server.xml, virtual hosting, etc,  **F5 Load balancer**, Scripting, Siteminder, Disk utilization, load average  **Scripting** – Shell scripting for log file movement based on size and date, error code, installation on multiple host using for loop, etc  **DATACENTER:** - Hardware - HP iLO  **Incident Management: -** Work on P1, P2, P3, P4 ticket based on SLA & priority.  Outage Ticket, Bridge call, Oncall, Root cause Analysis, Improvement, Shift Handover  **Change Management**: - Create change request and finish in provided time length. |
| Operating Systems | Linux Redhat |

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| Organization | **Axon Networks Pvt Ltd.** (Client -- **Flipkart**) 12.08.2010 – 19/04/2011 |
| Designation | System Engineer |
| project | Proxy Server Squid, service and Application Issue, Iptables, kvm |
| OperatingSystems | Ubuntu, Linux, Windows |
| Troubleshooting | RAID, Samba, NFS, ACL, DNS & Kernel related issue, boot failure and recover using rescue mode.  - Able to correct file system error using fsck.  -Can check Log file and boot message for system error   * Alerts Handled- CPU- Loadaverage, Memory, I/O Status, Disk Space, Linux server issues |

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| **PROJECT** |

**Organization - HCL Info Systems Ltd.**

**Project -** OS installation (Linux, Windows), Application Installation, Network &

Hardware troubleshooting

**Project duration** : 4-Feb-2008 to 3-May-2008

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| **CERTIFICATIONS:-** |

* **Red Hat Certified Specialist in OpenShift Administration (3.9)**

<https://www.redhat.com/rhtapps/services/certifications/badge/verify/HERWT6SUGPGJRD7RPTKXPXHZYUAEQU3CUPSQX2KSDXT6RW46LQ3USGMBTDNSOFVX22WYNJ63KCC3BBTAOIVCQWO7U3Z7NRP66BA673I=>

* **Red Hat Certified Expertise in Configuration Management. (Puppet)**
* **RHCE (Red Hat Certified Eng)**
* **CCNA- Cisco Certified Network Associate.**
* **HCL certified Engineer**

**Technical Skills**

* **Puppet**- manifest, modules, factor, hiera, Roles & Profiles, etc
* **GIT**- central repo, branches, commit, pull, push, etc
* **Docker -** Custom image, backup image, inspect docker network and images, tag, push, load, **Docker Swarm**, etc.
* **Ansible-** Playbook, register, vault, role, variable, adhoc, syntax check, dry run, custom playbook, variable, register, etc
* **Jenkins** Good knowledge on CI CD tool as build engineer
* **OpenShift & Kubernetes-** project, Pod scaling, metrics, backup, routing, event, exec, loglevel, policy, autoscale, tag, debug, healthcheck, troubleshooting, configuring route, App. Deployment, svc, bc, dc, pv, pvc, log, custom docker registry, etc
* **Artifact repositories**–JfrogArtiFactory
* **Shell** (**BASH**) - scripting using awk, sed, find, cut, unique, condition, test, etc.
* **Perl** Scripting with modules and conditions.
* **Python Scripting-** modules- (filecmp, OS, subprocess, pexpect, re) Tuple, list, dictionary, condition, loop, slice, debugging, etc
* **Application Server** - Apache-tomcat, pom.xml, maven build pipe-line, etc
* **Linux** and **Windows** Administration.
* **DBServer**- Postgres- schema, table, create, drop, dump, Oracle
* **Datacenter Hardware**- Dell vrtx, Cisco UCS, HP, etc.
* **Monitoring Tools** :- Wireshark, Zabbix, Ntop- Install, configure, maintains, **Grafana**
* **Loadbalancer** – **F5** load balancer Troubleshooting, Netscaler& Nginx - knowledge
* **Storage** - Knowledge in Redhat Storage - glusterfs
* **Operating Systems -- Linux, Unix, Ubuntu, Centos, Fedora, Windows, etc.**

**Cloud Support (IaaS)-: OpenStack Deployment and troubleshooting (keystone & glance)**

**Windows --:**

* **Troubleshooting CPU high load, Memory full, disk full**
* **Troubleshooting Application issues on server by manual killing PID, tracert, etc**
* **Troubleshooting by Disk issue by diskpart**

**Networking—**

* **OSI Layer, IP range, Private and Public IP, CIDR, subnetting, Networking Protocols (SMTP, POP, SNMP, TCP/IP, etc), Ethernet Cabling, traceroute, telnet, ethtool, nmap, netstat, lsof, Routing protocol, etc.**
* **Co-ordination with ISP when DTE modem down, packet loss**

**EDUCATION DETAILS**

* Graduate from RANCHI UNIVERSITY- 2009

**TRAINING** – Linux, CCNA, MCSE, Hardware.

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| **PERSONAL PROFILE** |
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Name : Sanjeev Kumar

Father’s Name : Shree R.P Singh

Date of birth : 09/07/86

Age : 34 years

Gender : Male

Nationality : Indian

Languages Known : English, Hindi, Kannada