Anand Nande

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Cloud Enthusiast with +13 years experience with Cloud and Enterprise Virtualization products. Adept in handling the busy schedules and travel plans with excellent communication, interpersonal, analytical and presentation skills.

Successfully designed and delivered secure cloud solutions for major Enterprise, Commercial and Government organizations across India. Earned a reputation for designing cloud deployment strategies that mitigate risk while meeting infrastructure, employee, customer and budgetary needs.

Experience

From 09.2021 To – Present	**Cloud Architect – OpenStack Private Cloud** **RackSpace (Remote / Pune)**

- Handling Large scale Private CloudOps for Openstack clusters
  - Scaling(horizontally,vertically), Redployments
  - Infra management using customized CI/CD pipelines
  - Config Management using Ansible
- Handling GitOps deployments at scale by integrating ArgoCD, Kustomize, HELM charts, NGINX Ingress, cert-manager, Github Actions CI/CD, DockerHub Custom Images along with signed private images in Harbor registry.
- Self-Hosting Git, Gitlab and Gitea Runners in Kubernetes pods and monitoring them using Prometheus and Grafana on-premise.
- Building public cloud instances using Terraform on AWS and Azure.
- Using Openstack PythonSDK for customized tasks and fixing complex issues.
- Creating GUI Applications in Python using CustomTKinter integrated with Openstack PythonSDK for personalized use-cases.

From 07.2020 To – 09.2021	**Subject Matter Expert - DevOps** **Reliance Jio Ltd. (New Mumbai)**

- Managing large Openstack private cloud operations across the country.
- Involved in automation of cloud upgrades using salt-stack based on Mirantis Cloud Platform (MCP) using CI/CD, jenkins pipelines, gerrit, Terraform
- Compute and Ceph Sotrage Capacity, horizontal and vertical scale-up planning of production and staging clusters, ISO certification Audit planning.
- Stacklight Monitoring Infra using Cassandra,BackupNinja,XtraBackup,ELK with Prometheus and Grafana.
- Deep Troubleshooting internal customer/tenant issues related to VM's, storage, network, RabbitMQ, OpenContrail.

From 03.2018 To – 07.2020	Software Engineer [Mobile Communications Business Unit] Cisco Systems India Pvt. Ltd (Bangalore)

- Deploying and Troubleshooting Ultra-M platform being used by major telcos (T-MOBILE, VERIZON, SINGTEL, CHINA-MOBILE, KT CORP) for their NFV platform.
- Using Ansible to automate pre + post deployment tasks and checks on prospective and existing Ultra-M OpenStack platforms.
- Patching CVE's, Automating pre/post Openstack, CEPH infrastructure management tasks and Stack Remediation tasks by writing Ansible playbooks.
- Researching & testing CPU, network, storage performance tuning to be integrated in stack. CEPH I/O benchmarking, tuning and designing based on niche use cases.
- Certifying Cisco VNF with Red Hat with every Ultra-M release.
- Content, Repository and Server lifecycle management using Red Hat Satellite.

From 09.2016 To – 03.2018	Cloud Consultant Red Hat India Pvt. Ltd. (Bangalore)

- Serve as the Cloud SME at the client site
- Manage and engage with CXO level stakeholders & Technical decision makers
- Get involved early in the sales cycle to explore, review, & shape deal opportunities
- Design, create, and deliver content internally and customer facing
    - Build Consulting Delivery Project Journals
    - Create and merge templates required for installation/deployment to Git
    - New Feature suggestions to Engineering teams - from field learnings
    - Pioneer and backup the direction of products road-map to plan future upgrades of products for customers.
    - Exceptional analytical, problem-solving, project management and planning skills
    - Initiate Customer Infrastructure Discovery workshops to understand the architecture & deployment needs.
    - Suggest best possible approaches to customize & deploy products.
- Excellent written and verbal communication skills
    - Whiteboard minute details of hardware & software that will be involved in the deployments.
    - Connect the storage, Networking & overall infra technicians for project needs.
- Experience working with Open Hybrid cloud management solutions & tools like: Openstack, Openshift, Cloudforms, Ceph, Ansible, RHEV, Red Hat Satellite, Vmware.
- Participate in mentoring and knowledge transfer to clients during and post-completion of projects.
- Travel up to 75% of time across the country

From 04.2016 To – 08.2016	**Senior Technical Support Engineer – Openstack** **Red Hat India Pvt. Ltd. (Pune)**

- Setting up Linux Virtualization Platform using Libvirt, KVM, Qemu
- Helped customers in deploying fresh cloud platforms [Openstack].
- Troubleshoot existing issues in deployed Openstack setup.
- Collaborated with vendors EMC, Vmware, Netapp optimize functionality in OpenStack setup.
- Configuring the iSCSI initiator and target to configure the storage.
- Providing technical and process related assistance to fellow employees to provide prompt and reliable service to meet the SLAs.
- Analyzing system logs for diagnosing server's flexibility.
- Specialization in deploying Data Centers on KVM, RHEV(Red Hat Enterprise Virtualization) & oVirt, Openstack Platform. Responsible for installation, migration, upgrades, troubleshooting & Architecture review of POC & production environment.
- Writing shell scripts to automate the things when required – in customer and personal lab environments, contributing to micro-projects across teams.
- Writing Ansible Playbooks for one-shot installations and monitoring large environments.
- Linux servers patching and OS upgrading to run more stable and secure infrastructure.
- Worked on NFV (Network Function Virtualization) related components such as SR-IOV, NUMA, HugePages, RT-KVM, PCI Pass-through contributing to Enhanced and Optimized Cloud Platform.
- P2V Migrations of physical machines to KVM and RHEV (Red Hat Enterprise Virtualization)
- V2V Migrations of virtual machines from KVM, Vmware to RHEV and OSP.
- Trained new employees/colleagues on Cloud technologies and components of Opensource(upstream) and downstream versions of Openstack, Openshift/Kubernetes, Cloudforms/Manage-IQ – clearly and efficiently.
- Helped customer to resolve the complex issues over remote session.
- Handled lots of Linux, Virtualization, OpenStack issues from various customers.

From 05.2013 To – 03.2016	**Technical Support Engineer** **Red Hat India Pvt. Ltd. (Pune)**

- Providing support to all Red Hat Customers.
- Guiding Customers during installation of Openstack.
- Troubleshooting the issues related to all Openstack components
- Joining multi-vendor calls in critical situations to fix the customer issue.
- Preparing articles for knowledge reference after fixing the customer issues.
- Taking remote sessions to provide the quick solution to customers.
- Coordinating with product engineering to expedite the bug fixes and testing hot-fixes/patches along the way.
- Simulating the customers issues in lab environments

From 04.2011 To – 04.2013	Associate Technical Support Engineer Red Hat India Pvt. Ltd. (Pune)

- Installing software, OS version up gradation, and package management.
- Mentored freshers in team for ITIL processes, Services and Incident managements String knowledge on Incident management, Problem Management, Change Management, Event Management.
- Installation and configuration of RHEL operating systems.
- Configuring and maintaining services.
- Developing Shell Scripts for internal activities – such as configuration backup and data collection etc.
- Implementation, configuration and maintenance of LVM (Logical Volume Manager), LUN Scanning
- Monitoring System Performance using commands top, sar, iostat, vmstat, free.
- Resolved system errors, disk space problems, huge file sizes, file system full errors.
- Logical volume Management and File system management.
- User & Group administration & set up a user's work environment.
- Managing log files and system health checks activity, Analyzing log files to diagnose server issues and providing relevant break-fix solutions.
- Collecting hardware and software details over remote desktop

From 08.2010 To – 03.2011	Vmware Support Engineer KPIT Cummins Infosystems Ltd. (Bangalore)

- Configuring HA, FT, DPM, DRS.
- Backing up/ Updating ESX(i) Servers.
- Configuring FC/iSCSI switches in Vmware environment.
- V2V and P2V migration assistance.
- Handling VMware vCentre Server Database issues.
- Basic FC and iSCSI Storage and L2/L3 Networking troubleshooting.
- Diagnosing ESX, ESXi, RedHat Linux, Windows, Fedora, Cent OS issues.

From 01.2010 To – 04.2010	Technical Support Engineer Mphasis an HP Company (Pune)

- Installing and Maintaining Network Shared drives.
- Handling Proxy Servers; Troubleshooting network and desktop problems.
- Handling Blackberry Handset registration.
- User administration (setup and maintaining account), Maintaining system.
- Create file systems, Install software, Create a backup and recovery policy
- Monitor network communication, Update users workstations.

Education

From 07.2004 To – 06.2008	Rajarshi Shahu College Of Engineering, Wakad (Pune) Bachelor of Engineering - Information Technology
From 05.2002 To – 06.2004	Loyola Junior College, Pashan (Pune)
From 05.1992 To – 04.2002	Loyola High School, Pashan (Pune)

Languages

- English
- Hindi
- Marathi

Certificates / Courses / Exams

12.2023	→ [EXAM] Codefresh Argo - GitOps at Scale Level II [659043f27ef021b2c409c218]
06.2022	→ [EXAM] Certified Kubernetes Security Specialist (CKS) [Lf-v6zejvhtxm]
01.2022	→ [Training] Introduction to GitOps (LFS169) [LF-u15v1yng3y]
01.2022	→ [EXAM] Certified Kubernetes Application Developer (CKAD) [LF-fqdun03yvb]
06.2021	→ [Training] Microsoft Azure Administrator AZ-104
12.2020	→ [EXAM] Certified Kubernetes Administrator (CKA) [LF-nif8mlmcdi]
12.2019	→ [EXAM] IELTS scored 7.5 band (L-7.5 | R-7.5 | W-7 | S-7)
02.2019	→ [Course Only] Amazon Web services – Solution Architect Associate
08.2018	→ [Course Only] Docker Deep Dive
08.2018	→ RabbitMQ Certification [License UC-NZ4D9388]
04.2014	→ Red Hat Certified System Administrator – Openstack [Licence 150-097-194]
07.2012	→ Red Hat Certified Virtualization Administrator [License 120-125-059]
11.2010	→ Red Hat Certified Engineer [License 805010354254491]
09.2011	→ [Course Only] Vmware Vsphere Install, Configure, Manage [v4.1]
12.2009	→ [Course Only] CCNA (CISCO CERTIFIED NETWORK ANALYST) - ICND1&2

Interests

Hobbies	:	Photography, Traveling, Trekking, Reading Newspaper, Gardening.
Books	:	Mythology and Fiction.
Sports	:	Football, Carrom, Swimming, Badminton, Cycling.
Others	:	Editing Photos (GIMP, Darktable), Browsing Reddit, DE-googling my phone, Mapping (OpenStreetMaps)

Conferences

- OPNFV Symposium
- DevConf
- Red Hat Forum – Mumbai
- Red Hat Technical Exchange – Vietnam
- Openstack India UG
- FudCon – Pune, Bangalore Meetups

Technical Skills

- Openstack, Virtualization (libvirtd, kvm, qemu)
- Containers, NFV, OVS, ODL, Mininet
- Software Defined Storage(Ceph)
- Gitops(Kubernetes, ArgoCD, HARBOR, Gitea, NGINX-Ingress, Cert-Manager)
- Ansible Automation, Foreman, Kubernetes
- Bash, Python
- Modding Android, GNOME, KDE