SATYAWAN JANGRA

Docker / Juniper / AWS / HPE Certfied

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SENIOR TECHNICAL LEAD

IT professional with ~12 years of system administration experience in multiplatform Linux, Unix, Windows & VMware environments, with hands on expertise in cloud computing, virtualization, servers, storage, security & networking covering each phase of project life cycle i.e. design, build & run.

CORE SKILLS & COMPETENCIES

✓ System Administration
✓ Infrastructure Management

✓ Data Center Implementation
✓ Team work

✓ Solutions Architecture
✓ Communication

TECHNICAL SKILLS

Cloud	Redhat Openstack Platform & AWS public cloud
Servers	Dell Blade Servers M630, Dell Blade Chassis M1000e, Dell R630 Rack Servers, HPE DL380/580 Rack Servers, HPE c7000 Blade Chassis & Blade servers
Storage	NetApp FAS 2552, HP EVA 6300 SAN Storage, HP 3PAR SAN Storage
Virtualization	VMware vSphere 5.x & 6.X, Xen, KVM
Operating Systems	RHEL 5.x, 6.x & 7.x, CentOS 5.x, 6.x & 7.x, SUSE Enterprise Linux 11, Windows 2008 & 2012, HP-UX 11i v3
Common Services	DNS, DHCP, HTTP/HTTPS, SSH, FTP, SFTP, NTP, Squid
Monitoring Tools	Nagios, Grafana + Graphite, BMC ProactiveNet Performance Management
Automation	Shell scripting, x86 server automation using Redfish REST APIs, Ansible, Python
DevOps Tools	GIT, Jenkins, Robot Framework for CI/CD
Containers	Docker (Certified) & Kubernetes

TECHNICAL CERTIFICATIONS

Docker Certified Associate	Dec 2018
Juniper Network Certified Associate (JNCIA - Cloud)	Jan 2019
AWS Certified Solutions Architect – Associate	Jul 2016
HPE Accredited Professional – HPUX 11iV3	Oct 2015

PROFESSIONAL EXPERIENCE

ORANGE BUSINESS SERVICES, GURUGRAM, INDIA   **DEC 2016 - present**
Senior Technical Lead

Contributing towards the organizational strategy to adapt open source solutions & the Software Defined Everything (SDx) approach. Working in agile mode with international team of experts to design & build more cost-effective, cloud ready infrastructure solutions. Joined as Systems Specialist in infrastructure think & build team, got an early promotion to Sr. Technical Lead within a year.

Key Contributions:

- Successful deployment of the local data center comprising Juniper QFX 5100/EX4300, MXL switches, Dell M1000e blade chassis, R730XD rack servers. The entire data center internal network was configured as redundant except management traffic. Used multiple VLANs, inter-vlan routing, port-group channels and trunk ports to achieve highly available network.
- Prepared RHEL & CentOS image for usage in Openstack with all CIS security rules
- Created docker image for MYSQL, Apache, PHP & Linux for using in containerized environment
- Server automation using RESTful APIs to achieve RAID configuration and power management of the servers using the CI/CD methodology with GIT, Jenkins, Robot Framework and Ansible tools
- Redhat Openstack Platform 10 triple-O deployment for IaaS for Telco project
- System administration activities in data center while supporting other team members in their day to day activities
- Automated Ceph 3.0 standalone cluster deployment including automated operating system deployment
- Ceph cluster's performance benchmarking to measure IOPS, Latency & Throughput using Opensource tool VDBench
- Online upgrade of VMware vSphere 5.5 to 6.5

NIIT TECHNOLOGIES LTD., HYDERABAD, INDIA   MAY 2013 - DEC 2016
Systems Specialist - Datacenter Services

Appointed as Subject Matter Expert in one of the prestigious SAP based project, named Andhra Pradesh Comprehensive Financial Management System (APCFMS), for which IT infrastructure was deployed at client site. Looked after the deployment of the servers, network & security devices to build the secure, redundant and reliable infrastructure for the SAP based application.

Key Contributions:

- Implementation of network and server infrastructure for datacenter, near DR and far DR and managing the operations
- HP Serviceguard cluster configuration running the SAP landscape
- 3 ways DR setup for zero data loss for SAP landscape, storage base replication, failover and failback configuration
- Design and implementation of VMware ESXi cluster including network for hosting the virtual appliances for supporting application like BMC suite, TrendMicro suite and many others
- Installation and configuration of Array load balancers in redundancy for SAP applications with reverse proxy configuration
- Installation and configuration of HP 3PAR enterprise storage along with NAS gateway
- Implementation of RSA security suite i.e. RSA Security Analytics (SIEM and Network Forensics solution)
- Implementation of RSA Data Leakage Prevention (DLP) and policies configuration according to requirements
- Conducting application and server Vulnerability Assessment and Penetration Test (VAPT) for secured application hosting, Nessus and OpenVAS tools for vulnerabilities scan
- Vulnerability fix in servers and network devices
- Security hardening of network & servers devices in accordance with the CIS rules & organizational policies
- Installation and configuration of HP data protector backup tool with HP MSL 4048 tape library
- Installation and configuration of brocade SAN switches

- Automated the deployment of Linux & HP Unix operating system using kick start & Ignite UX, in order to save time

TULIP TELECOM LTD., NEW DELHI, INDIA   Dec 2009 - May 2013
System Administrator

Maintained the common IT services like DNS, DHCP, Mail, Proxy, LDAP, Nagios etc., for the smooth functioning of the organization. Apart from internal IT infrastructure management, involved in the design and implementation of the IT projects such as P2V migration & data center setup for the customers (detailed included under Major Projects).

Key Contributions:

- Managed IT infrastructure consisting multiple servers, storage & network devices in Tulip data center
- Operational support to users across country for issues related to network, proxy and mailing services
- Network design and implementation of VMware infrastructure for internal IT applications
- Helped presales team for design and implementation of IT infrastructure solutions for the customer projects
- For the backbone MPLS network, **automated the configuration backup of ~8000 network devices** using Perl and shell scripting with automated backup failure and success reports.

Major Projects:

Crime & Criminal Tracking & Networking System (CCTNS), Jaipur   Dec 2011 - Feb 2012

It is a project under Indian government for creating a comprehensive and integrated system for effective policing through e-Governance. The system includes nationwide online tracking system by integrating more than 14,000 police stations across the country. The needed infrastructure, for the state of Rajasthan, was deployed in State Datacenter, Jaipur.

Key Contributions:

- Design and implementation of the state datacenter consisting network, firewalls, servers, storage & devices
- Designing IP schema for 1090 locations & state datacenter, multiple VLAN configuration for segregation of production and management traffic
- Vulnerability scan and fix in servers and network devices
- Installation & configuration of brocade SAN switches & fiber channel connectivity with blade & rack servers
- Domain registration and control panel management
- Installation and configuration of HP c7000 blade chassis, HP BL360c blade & HP DL585 rack servers
- Installation and configuration of HP 3PAR 400 SAN storage

Zapak, Reliance Entertainment Digital Ltd., Mumbai   Apr 2012 - Jun 2012

Zapak is an online gaming website and was hosted on 450+ physical servers. The project was to migrate all of these servers to the VMware virtual infrastructure.

Key Contributions:

- Design and implementation of the datacenter consisting network, firewalls, servers & storage devices
- Design & implementation of VMware vSphere 5.0 ESXi cluster of 30 physical hosts with multiple VLAN configuration for the segregation of vMotion, management, storage & production traffic
- Implementation of the distributed vSwitch in ESXi cluster

- Capacity planning for VMware virtual infrastructure to migrate ~450 physical servers
- Installation and configuration of SAN switches
- P2V migration over point-to-point link between Reliance DC & Tulip DC using VMware standalone converter

3I INFOTECH CONSULTANCY SERVICES PVT. LTD., GURGAON, INDIA   May 2009 – Dec 2009
Associate Engineer

Administered the servers, network and other major devices. Major devices & services included network switches, hub, proxy server, DNS, DHCP, FTP and mail servers.

HCL INFOSYSTEMS LTD., CHANDIGARH, INDIA   Jul 2006 – Aug 2008
Trainee Engineer

After getting selected in a campus interview, as a Trainee engineer, the primary job was to repair DMP/Line Printers, CRT/LCD monitors, laptops/desktops etc. Solving issues related to LAN, internet connectivity, WIFI, desktop/laptop software and hardware problems were common.

EDUCATION

B. Tech (AMIE) in Computer Science, Pursuing
Institution of Engineers, Kolkata, India

Polytechnic Diploma in Electronics & Communication Engineering (2003 - 2006)
Govt. Polytechnic, Loharu, Haryana, India

AWARDS & RECOGNITIONS

Award of Excellence from CEO of NIIT Technologies for infrastructure setup for APCFMS project, Hyderabad

PERSONAL DETAILS

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