

Yogesh Kumar Sharma

Sr. DevOps Engineer/SRE/Open Source Enthusiastic

Contact

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Location : New Delhi

Objective

To provide your organization with the best possible computer and systems administration, maintenance and support services where all my Development, Testing and Admin Skills will contribute to organization efficiently.

Summary

- Professionally accomplished IT Professional with over 48 months (4 Yrs) of diversified IT experience in e-Commerce, BFS, FMCG, Hi-Tech and Healthcare domain managing advanced multiplatform I.T. Infrastructure.
- Disciplined with proven abilities to manage multiple assignments efficiently, ascertaining needs and goals, streamlining existing operations, envisioning new concepts and future trends and following through with development, direction and accomplishment.
- Experience in IT Operation based on ITIL v3 Foundation.
- DevOps Task and Automating the Infrastructure.
- Exploring open source tools (POC) and their Implementation in Production Environment.
- Managing End to End Cycle of Application, starting from System to Application Deployment.
- Strong Administration skills in Red hat Enterprise Linux/CentOS 5,6.
- Strong administration skills in multiple Application Servers on Linux/Unix Platform which involves Installation, Configuration, Deployments, Clustering and performance tuning.
- Management of Web servers like Apache, IBM HTTP Server (IHS), nginx, Lighttpd which includes experience on Major Production changes such as clustering, Apache Redirects, plug-in configuration, proxy settings, Virtual host configurations.
- Excellent Knowledge of DNS, DHCP, HTTP/HTTPS and TCP/IP.
- Monitoring development using Nagios for services of both System Level like Process, perf, Network etc and application level like JMX, IBM MQ, customized mbeans, Process, Web-URL etc.
- Experience in Cloud Technologies like Apache Cloud Stack and Amazon Web Services (AWS).

Key Skills

- **Platform** Linux (RHEL/CentOS), Solaris and AIX(Beginner)
- **Network & Security** DNS (Bind), DNS Management using Infoblox, IP-Tables, TCP/IP, IPv4, HTTP/HTTPS, DHCP
- **Application Servers** IBM WebSphere, JBoss 5/EAP, Tomcat, Weblogic
- **Web Servers/SSO** Apache Web Server, IBM HTTP Server, nginx, Lighttpd, IBM Webseal (SSO)
- **Monitoring** Nagios, Icinga, CheckPoint, NewRelic, ChartBeat
- **Cloud & Virtualization** AWS, Cloud Stack (Apache/Citrix), MS-Azure.
- **Scripting** BASH, SQL and Python
- **Database** MySQL, InfluxDB
- **Directory Server** FreeIPA.
- **No SQL** Aerospike, Mongo
- **Caching** Varnish, Aerospike, Akamai (Beginner)
- **Log Mgmt and Visualization** EL(Logstash)K, EF(FluentD)K, Grafana, StatsD, Graphite, TeleGraph, GrayLog

Experience

1. **Organization:** Intuit Inc. (25 Jan 2016 to Present)

Designation: Senior Site Reliability Engineer (Intuit Core Services DevOps Team)

Role and Responsibilities

Working in DevOps and SRE Role with responsibility of managing/automating complete infrastructure for Intuit Teir-1 Services using combination of both open source and Enterprise DevOps Tools.

Some of things Includes:

- Provisioning of Intuit Services from Legacy Data Center to Amazon Web Services using various open source and configuration management tools.
- Monitoring development and configuration using various tools such as Splunk, NewRelic, Grafana, InfluxDB, Wily, SiteScope etc.
- Experience on various NoSQL DB.
- Managing application CI/CD using Capistrano, Jenkins, Rundeck and Chef.

2. **Organization:** SNAPDEAL.COM (19 Jan 2015 to 22 Jan 2016)

Designation: Senior DevOps Engineer

Role and Responsibilities

Primarily responsible in designing an Infrastructure for Payment Wallet (mainly known as FreeCharge Wallet), starting from choosing a Network CIDR to provisioning/Configuring Virtual Machines to Application Go Live and making it compliant for SISA audit.

It includes:

- OS Management and Hardening
- Log Management: EFK Stack (i.e. Elasticsearch, FluentD and Kibana), Grafana, Telegraf, InfluxDB
- Deploying Host Based Intrusion Detection System (HIDS) OSSEC to monitor system and user Activity.
- Central Authentication (Dual Factor or MFA) using FreeIPA and extending its usage to DNS.
- Managing Certs (SSL) and making sure they achieve best Grade (As tested on Qualys SSL Lab Test). Some certs got A+ as well.
- Managing Internal PKI Infrastructure for Internal Certificate Authority.
- System Monitoring using Icinga2.
- Deployed MONIT (wherever needed).
- Designed Cloud Infrastructure for KlickPay (Snapdeal Subsidiary which owns Payment Gateway) from zero to Production ready which includes usage of multiple AWS Services like VPC, EC2, S3, IAM, SES, SNS, SQS, etc.
- CI/CD using Chef (i.e. writing cookbooks, managing DataBag), Jenkins so that minimum intervention of DevOps is needed. Experience in writing Ansible Playbook as well and using them wherever necessary.
- Designed an Internal WAF (Web Application Firewall) for Internal Application using Mod Security, Apache WebServer and HAProxy (with acl applied for DDOS prevention).
- NoSQL Databases: Aerospike.
- Making Infrastructure Highly Available and Scalable to make sure uptime is always 99% and above. Used HAProxy, DNS LB and ScaleArc (DB Load Balancer) for balancing multi-node environment.
- Planning DR (Disaster Recovery) failover and failback policy with member of Dev, DevOps to have minimum RPO and RTO.
- Automating as much as possible.
- Working with Multiple team in creating a most Advance Payment System.

Also managing Snapdeal Technical Infrastructure which include thousands of nodes with billion hits

Tech:

NOSQL: AeroSpike, Mongo

RDBMS: MySQL

Clustering: MYSQL Clustering Using Gallara.

Cloud Tech: AWS, Microsoft Azure

Hadoop: Apache Hadoop, Cloudera

CMS: Chef (Beginner) and Ansible

CI/CD: Jenkins

System: DNS, DHCP, HTTP/HTTPS, IPTables, FreeIPA LDAP

Platform: CentOS 6.5/6.6, RHEL 6.5/6.6

AWS Tech: EC2, S3, VPC, SNS, IAM, SES, IAM, CloudWatch, EMR

Programming: Shell, Python

3. Organization: IPsoft Inc. (12 March 2012 to 05 Jan 2015)
Designation: Application Engineer (Infrastructure)

Client:

MasterCard International, Hindustan Unilever Limited, InterContinental Hotels Group, National Football League, BT (Cloud Compute), Viacom Inc, Genworth Financial, IPsoft (for Internal Infrastructure).

Role and Responsibilities (across all Clients):

- Technical Lead (Cloud Platform) for British Telecom.
- L2 responsibilities for managing Web and Middleware Infrastructure of all IPsoft Clients (Fortune 500 Organizations), majorly in Financial Domain.
- Project work experience in Installation/Configuration and upgrade of Enterprise infrastructure including WebSphere/ JBoss Application Server and IBM/Apache Web Server.
- Patched various system as per PCI Compliance to overcome from various CVE as found and reported by Vendors and InfoSec.
- Implementation of SSL certificates to web servers and Application Servers.
- Handling of routine tasks such as application troubleshooting (any, but primarily Java), application deployments (on various application server, also using Adobe CQ5 and Jenkins), apache configuration, System Administration.
- Level 2 (L2) responsibility for developing monitoring using Nagios.
- Automation using IPsoft proprietary tool IPautomata.

Major Project Details in IPsoft:

- **Client:** *British Telecom, London, UK*
Role: *Technical Lead for Cloud Platform*
Summary:
 - Managing BT Cloud Environment based on Cloud Stack/VMware.
 - Responsible for designing SOP (Standard Operation Procedure) for various Changes and Common Task.
 - Linux Administration such as IPtables, User Management, Disk Management (LVM), Package Management, Version Update, DNS (Both Master and Caching only NS) etc.
- **Client:** *MasterCard International, USA*
Role: *L2 Web Administrator (MasterCard Internet Operation Webadmin)*
Summary:
 - Ensuring 99.8% uptime of MasterCard Internet Infrastructure hosting real time Tier 1 Applications and System used in Financial Transaction across the globe.
 - Applying updates to Application Servers and Web Server (Apache).
 - Working with MasterCard TRT (Technical Recovery Team) teams on production issues for Mission Critical Applications.
 - Managing MasterCard entire DNS Infrastructure.
- **Client:** *Hindustan Unilever Limited*
Role: *L2 Application Engineer*
Summary:
 - Managing all Application based on WebSphere Application Server (ND) and JBoss (For Application deployed on Amazon EC2).
 - Working with Teams in building new IT infrastructure.
 - Fixing environment Security vulnerabilities per PCI compliance.
 - Managing MB/MQ
 - Troubleshoot Production issues, root cause analysis and documentation.
 - Managing hot fixes, patches and releases.
 - Automating WebSphere Application Deployment using wsadmin and BASH Shell Script.

4. Organization: NTT Data (formerly First Apex Software) (1 August 2011 - 15 Dec 2011)
Designation: Software Engineer (Intern)

About Team:

Customer Product Team is responsible for designing/customizing First Apex product as per Customer requirement.

Client:

Warba (Kuwait) and POP Vakuutus (Finland)

Role and Responsibilities:

- Member of development Team working dedicatedly in developing BFSI projects for Insurance based companies which involves sector like Motor Insurance, General Insurance and covers the full cycle of insurance operations from point of sale right through to the general ledger.
- Application development using FTL (Free Text Markup Language) and J2EE.
- Database used Oracle 9i with Application Server WebSphere Application 6.

Certification and Training

- **Red Hat Certified Engineer (RHCE 5.0)**
Certification Number : 805010137051739
- **VCE - Converged Infrastructure Associate**
Certification Number : VCE-CIA0001957
- **Rack Space CloudU Certified**
Certification Number: a04275f1-db84-493a-a171-6024ae58a6b0

Education

Standard	Year	Score	Percentage	School/College/University
X - CBSE	2004	365/500	73.0	Kendriya Vidyalaya No.2 Golconda Hyderabad, AP
XII - CBSE	2006	398/600	66.3	Kendriya Vidyalaya No.2 AFS Hindon, Ghaziabad, UP
B.Tech - CSE	2007-2011	3864/5000	77.3	Uttar Pradesh Technical University

Personal Details

Present Location	New Delhi
Permanent Address	Ghaziabad (National Capital Region), UP
Citizenship	Indian
Passport	J8150903 valid till 21 May 2021
PAN Card	CFJPS1299R

Languages

Hindi (native) **English** (fluent)

Declaration

I solemnly declare that the above information is true and correct to the best of my knowledge. I understand that if any information given above is found false/incorrect, my candidature is liable to be rejected.

Date:

Place: New Delhi

Yogesh Kumar Sharma