**Saurabh Kulkarni**

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**Professional Summary**

* Two years of experience in resolving and troubleshooting network issues using various network performance monitoring software (SolarWinds, Icinga, Orion) and Linux CentOS/ Windows
* Handling ticket escalation using Atlassian JIRA
* Expertise in linux Backup/restore with tar including disk partitioning and formatting .Hands-on experience with CentOS/Ubuntu CLI for troubleshooting logs and services
* Troubleshooting linux network, security related issues , capturing packets using IPtablet.
* Highly experienced in configuring and maintaining IP based networks and call routing.
* Established ability to detect and troubleshoot technical problems in LAN/WAN and IP addressing
* Troubleshooting virtual hosts using VMware vSphere.
* Understanding of ITIL process methodology
* Developed various shell and python scripts for job scheduling and managing different logs.
* Hands-on experience on Active directory. Created and implemented directory services on windows 2008 and 2K8R2 servers. Managed user accounts on same servers (Creation, Deletion, permission etc.).
* Configuration and maintenance of network services like DNS, DHCP and NFS on CentOS Linux servers.
* Ability to multitask and work collaboratively in a team environment. Excellent command over written and oral communications. A good team player with excellent technical skills

**Technical Knowledge**

**Programming Languages:** C, C++, C#.NET, JAVA, HTML, Python, VB **Database:** SQL, Oracle **Programming Software:**

NetBeans, MS Visual Studio, Eclipse.

**Operating Systems**: Windows 7 to 10, Linux: Ubuntu(14.x,16.x), CentOS(6.x,7.x), Solaris, Redhat(5.x,6.x), Windows server 2008/2k8R2 **Virtualization:** Oracle- Virtual Box, vSphere, HyperV.

**Network Protocols:** TCP/IP, IPv6, DHCP, DNS, SNMP, RIP,EIGRP, OSPF. QoS: MPLS Ethernet: STP, VLAN, .iq

**Network Monitoring Platforms:** Icinga, Nagios, SolarWinds, F5 Load balancer

**Diagnostic Tools:** Wireshark, Putty, Windows Remote Desktop, GoToMeeting, Cisco WebEx Meeting, TeamViewer

**Professional Experience**

**Integra Technologies LLC Houston, TX**

**NOC Administrator *July 2016– MAY 2017***

* Monitoring the server services using ICINGA and KIBANA and minimizing the down time of application
* Involved in live incident management regarding identifying, escalating and driving critical user issues and outages to resolution.
* Provide Level 2 client support and technical issue resolution via tickets using JIRA ticketing system.
* Configuration and administration of VMware vSphere client and linux/windows client.
* Monitoring and maintaining client’s 24x7x365 media services.Resolving system alerts like Check\_disk, check load etc alerts generated by icinga using Unix (Cent OS )
* Configured SSH secure protocol for troubleshooting remote host. Resolved SLA impacting tickets using CentOS CLI and VI Editor
* Administration and maintenance of server and TCP/IP Network protocols
* Ensure network connectivity throughout a company's LAN/WAN infrastructure is on par with technical considerations.
* Administered routers, switches and file servers for security updates and patches.
* Analyzed network traffic and various log data to determine the source of the problem or a threat.
* Involved in all tracking, handling and reporting security events according to company’s guideline.
* Escalating complex issues timely and appropriately to Sr. Operations team and/or Engineering.
* Maintaining overall health of provided services by performing routine administrative functions and quickly responding to all production outages.
* Ensure all enhancements follow the proper change management processes.

**Milesweb Internet services , Nashik, Maharashtra , India**

**Network Support Administrator** ***June 2013 – July2014***

* Performed system maintenance and upgrades to tune various network issues.
* Used Solarwinds Network Performance monitor for traffic analysis(NetFlow), application and virtualization management.
* Configured and installed RedHat and CentOS Linux server on virtual machine as well as physical machines. Automated the process of RedHat Linux installation using kickstart based network installation
* Performed Linux Redhat/CentOS administration and shell scripting
* Resolved end-user problems and made necessary modifications to the operating system, network software, and/or hardware configurations.
* Managed problems regarding email bouncebacks , missing emails or spam emails using cPanel(SMTP, IMAP. PoP3).
* Implement anti-virus and anti-spam solutions(Barracuda)
* Investigate and document technical issues, then communicate with higher authority for solutions.
* Responsible to resolving trouble-tickets raised by clients through phone, email or remote access.

**Education**

Mater of Science: Computer Science (Recipient of In-State Scholarship) ***Aug2014- Dec 2015***

Lamar University, Beaumont TX Computer Science: GPA: 3.4

**Academic Projects**

**Project on Reliable Communication over Unreliable Channels**

Statement: To implement Basic Reliable Protocol using UDP sockets

Implementation: We used UDP sockets along with multithreading to generate sender and receiver processes (thread R and thread S). ACK and NACK messages were stored accordingly into the respective tables and then transferred to the destination according to its status in the tables.

Language Used: C, OS: CentOS, Year:2015

Area of Study: Computer Networks, Computer Architecture, TCP/IP Protocol Suite

**Intrusion Detection System**

Statement:Scan all the files coming to the system and block '.exe' files from entering.

Implementation: The basic idea of this project was to match the ASCII values of every incoming data with the standard available data patterns. Pattern matching technique was used to match the ascii code with the available ascii code for .exe files.

Language Used: c#.net OS: Windows Year:2013

Area of Study: Software Engineering, Computer Networks, Programming Language

**Mail Server**

This program was a simple mail client that sends email to any recipient. Client connects with mail server using SMTP protocol and send message to mail server. ‘smtplib’ module provided by python was used for this program.

Language Used: Python OS: CentOS Year:2015

Area of study: Python Programming, Computer Networks, Server Management.

**Proxy Server**

In this program a small web proxy server was created which is able to cache web pages. Simple proxy server understands only simple GET-requests but able to handle all kind of objects including images.

Language Used: Python OS: Ubuntu Year:2015 Area of Study: Python Programming, Proxy Server , Networks.

**Certifications and Publications**

MCITP Certification (Windows server 2k8R2) Submitted paper on Intrusion Detection System

1. [http://www.techrepublic.com/resource-library/whitepapers/reinforcement-of-asynchronous-traffic-attack](http://www.techrepublic.com/resource-library/whitepapers/reinforcement-of-asynchronous-traffic-attack/)/
2. [http://www.ijsrcsams.com/index.php?option=com\_content&view=category&id=44&layout=blog&Itemid=1](http://www.ijsrcsams.com/index.php?option=com_content&view=category&id=44&layout=blog&Itemid=125)2 5

**Honors and Awards**

* Recipient of in-state Scholarship at Lamar University Year:2014
* Winner of Poster presentation on “Anti-Spam Filters” at STEM conference , Lamar University. Year:2015
* Runner up for Paper presentation on “Intrusion Detection System”, GESCOE Nasik. Year:2012