

## ➔ What I AM?

System Administrator

Linux Engineer

VMware Engineer

DevOps Engineer

Cloud Engineer

Internet Security Specialist

Security Incident Response

Completed Masters from  
One of the Top Ranked  
universities,  
"University of Michigan"  
in Computer Science.



## SANTHOSH KUMAR POTURAJU



"Live as if you were to die tomorrow. Learn as if you were to live forever."

Follower of the Quote given by Mahatma Gandhi

## ➔ Professional Experience

A responsible Linux/ Unix  
Administrator with ability to  
support \*nix servers with 4 Years  
of experience.

## ➔ Social Networks and Contact Information



<https://www.linkedin.com/in/santhosh-p-73aa74121>

<https://www.facebook.com/santhuz1>



<http://stackoverflow.com/users/6563857/santhosh-kumar>

## ➔ Certifications



- Highly skilled in solving end-user issues and maintaining various applications.
- In-depth knowledge of administering and installing Linux operating systems.
- Ability to build and maintain healthy relationship with clients.
- Goal oriented and ability to handle multiple tasks.
- Worked on Linux (Red Hat, CentOS, Ubuntu), Sun Solaris (versions 8, 9, 10).
- Have good experience in working with Cisco UCS (C210, C220, C240) servers and with Cisco Support.
- Hand on experience with HP Proliant (DL360 Gen8, BL460c Gen7/8) & Dell C6100 servers,
- Used Hardware RAID levels like RAID 2, Raid 5, Raid 10.
- Good knowledge of VMware ESX, Citrix Xen servers and with Citrix Cloudstack
- Used ticketing tools like Jira, Kayako, ManageEngine (Disney).
- Utilized monitoring tools like Nagios and Zenoss.
- Responsible for Configuration on Management tools like Puppet, Chef.
- Worked with Revision Control tools like Git and SVN (earlier).
- Used a custom in-house Change Management tool for Change Control.
- Knowledge of various Web Servers like Httpd, Apache2, Nginx & Tomcat and familiar with websphere, JBoss and WebLogic.
- In-depth knowledge of Caching Servers like Memcached&Redis.
- Worked with Network Documentation tool such as NetDot.
- Used Provisioning tools like Cobbler & Razor.
- Worked on containers like lxc, docker and Revision control like SVN, GIT
- Worked on Elasticsearch+Kibana+redis for log analysis.
- Extensive experience in troubleshooting Linux server related issues, installing MySQL servers, maintaining AD, DNS, installing and troubleshooting services like DHCP, NFS, FTP, tracing hardware related errors from the logs. And in using security tools like Nmap, Tcpdump, Iptables.
- Having good knowledge in scripting language like Perl, Python and bash Shell.



**Location:** Phoenix Arizona

**Linux** Administrator

**Internet Security** Specialist

**Security Incident** Response

May 2016 - Present

- Creating and active monitoring Frameflow alerts.
- Monitoring Hadoop cluster health, hive process, avro files movement, action all alerts
- SNAP monitoring and auditing (filemon, X15 and Kafka)
- X15 Customer facing support
- Platfora application support
- Pursue automation, optimization, and operational efficiencies and solving tickets.

## Roles and Responsibilities:

- Member of the operations team that support different work environment and their applications
- Point of contact for a work, from the operations perspective, to understand and setup required infrastructure for the dev, qa and production environment developed by the team
- Actively worked with the dev team to solve issues and helped them meet production deadlines.
- Server Consolidation based on the performance and load analysis of the application
- Responsibilities as a RSA team member include provisioning, installing and configuring servers as per the team's requirement using data center management tools like Puppet
- Participate actively in emergency situations to ensure uptime of the properties
- Trouble ticket follow-ups and closure based on SLA

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## Roles and Responsibilities:

- Both the Linux and Windows server administration, action, critical alerts, security and Backups.
- Network administration (connections, performance, access etc..)
- Platform wide backups and restores
- Isilon Administration like creating Samba shares, NFS, networking issues, responsible for Smart zone connections, VLAN config etc..
- Cisco Administration.
- ESX installation and maintenance, VMware administration.
- Puppet and kickstart programming
- Giving support for the internal applications as well as Securonix.
- Giving support for the internal applications as well as Securonix.
- Basic shell, Python/konflux scripting for automation.



**Location:** Frisco, TX

**Linux** System Engineer

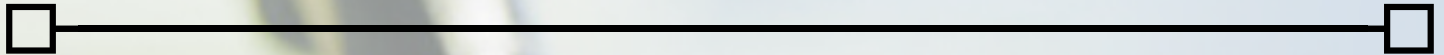
**Platform Support** Engineer

**Administrator**

Mar 2016 - Oct 2014



- Customizing puppet recipes to match the project team requirements and to optimize the environment
- Installing and configuring configuration management tools
- Solving issues related configuration management tools like Zenoss and Nagios etc
- Creating new templates and recipes for puppet to manage any new implementation
- Keep a track of the appropriate software and upgrade the software/application packages
- Configure system and application services to be managed by monit
- Develop and maintain the documents, library and procedural documents of the system
- Writing to scripts in Perl, Python or bash to solve the issues and for automation
- Plan and execute production changes under stringent change control mechanisms
- Responsible for VMWare ESX machines and RedHat Linux based systems in the Global Data Centre
- Install, monitor and manage FTP server. Creation of accounts with required set of privileges
- Solving Vmware issues at a pre advanced level
- Maintain web servers that typically run on LAMP architecture
- Regular health checks monitoring of servers
- Research problems and develop solutions for issues discovered by our Operations teams
- Research bugs and submit bug reports to our internal teams or upstream OpenStack projects.



**Location:** Columbus, IN  
**System Administrator**  
**Linux Administrator**  
 July 2014 - Jan 2014

## Roles and Responsibilities:



- Installation, configuration and Operating System upgrade on, Red Hat Linux 5.x, 6.x.
- Performance Management & Tuning of RHEL.
- Veritas File system and Veritas Volume Manager are used to configure the RAID 1 and RAID 5 Storage Systems
- Installed and configured SAMBA server for windows and Linux connectivity.
- Implemented and configured Backup policies and Storage Units.
- Tuning the kernel parameters based on the application/database requirement.
- Monitoring system resources, logs, disk usage, scheduling backups and restore.
- Configuring SUDO and granting root permission to users for performing certain activities.
- Upgrading RHEL 5.x to RHEL 6.x using live upgrade and manual upgrade.
- File system tuning, growing, and shrinking with Veritas File system 3.5/4.x
- Writing to scripts in Perl, Python or bash to solve the issues and for automation.
- Worked on network connectivity, SAN storage, creating LVM and taking TSM backup.
- Modifying user's password policies, group policy, UID and GID assignment policies.
- Monitored the performance of the system using top, sar, ps, prstat, vmstat, netstat, iostat, and cpu info to check the CPU utilization, bottlenecks of I/O devices, memory usage and network traffic.



## Unix Administrator Jan 2014 - Dec 2012

- Issues with application, tuning, troubleshooting, software running on UNIX/Linux Servers. Disaster Recovery operation setup & checkup at contracting facility
- Automation scripts for weekly and monthly backups in Perl and shell
- UNIX Server monitoring for maximum availability using BMC patrol and other monitoring tools and taking steps to keep servers up and running less than 24x7 environment for maximum uptime.
- 24x7 support for the UNIX servers. Rotating on call pager responsibilities for Production environment.

## Roles and Responsibilities:

- Supported Solaris/Linux servers in production / stage / development environment.
- Configure and administrate database cluster using VERITAS cluster.
- Installation Configuration troubleshooting & maintenance of VERITAS cluster.
- Sun Servers Hardware, OBP configuration & troubleshooting REDHAT Enterprise Linux 5, 6 Installation on various servers using Kick start and configuration & support for various applications run on Linux environment.



## Davinci Nano Tech Bangalore India Linux Engineer Aug 2012 - Dec 2012

- Creating user accounts, user administration, local and global groups on Solaris and Red Hat Linux platform
- Setup, Implementation, Configuration, documentation of Backup/Restore solutions for Disaster/Business Recovery of clients using TSM backup on UNIX, SUSE & Redhat Linux platforms.
- Performed quarterly patching of Linux, AIX, Solaris and HP/UX servers on regular schedule
- Heavily utilize the LAMP stack (Linux, Apache, Mysql, PHP/Perl) to meet customer needs
- Setup, Implementation, Configuration of SFTP/FTP servers
- Setting up the lab environment with Tomcat/Apache, configuring the setup with F5 virtual load balancer for customer application
- Provide 24x7 on call production support on rotation basis.

## Roles and Responsibilities:

- Installation and configuration of Red Hat Enterprise Linux (RHEL) 5x Servers on HP, Dell Hardware and VMware virtual environment
- Installation and Configuration of Sun Enterprise Servers, HP and IBM Blade Servers, HP 9000, RS 6000, IBM P series
- Created a standard kickstart based installation method for RHEL servers. Installation includes all changes required to meet company's security standards. Installation method is possible over HTTP, or via PXE on a separate network segment



# Achievements and Educational Qualifications:



- *Completed Masters in Computer Science and Information Systems from University of Michigan in the Year 2015.*
- *Completed Bachelors from University of JNT in year 2013.*
- *Received Gold medal from University of JNT in the year 2013.*
- *Received Leadership Award from University of Michigan.*