**DEEPAK PANDEY**

Mobile: 647-390-3500 / 757-644-5800

[pandey.canada@gmail.com](mailto:pandey.canada@gmail.com)

15 Tribune Drive

Brampton, ON, L7A 0X5 – Canada

**Professional Summary**

* 15 years’ of experience in managing and building Linux Server Infrastructure for PROD and NON-PROD.
* More than 10 years’ of experience in administering Linux based servers and migration support for AIX.
* Support and manage deployments on AWS Cloud and Local VM-Ware, XEN and Hyper-V virtualization platforms.
* Avid follower of Agile Methodology using Jira / confluence and rapid deployment practices.
* Excellent skills in scripting automated installs using versioning systems like git and svn with Jenkins.
* Automation and deployment using ansible and winrm on hybrid Linux and Windows platforms.
* Strong background in installation and management of middleware and Oracle Database on Linux.
* Experience setting up the Linux High Availability and Load balancing using LVS and Heartbeat.
* Experience in telecom domain and financial domain in high transaction and high visibility projects.
* Experience in setting up monitoring using open-source Nagios, Solar Winds and Hyperic HQ.
* Excellent understanding of IP-Tables based firewall and proxy servers and state full packet inspection.
* Over 5 years’ experience in configuring redundancy and failover using f5 load balancer and LVS.
* Over 3 years’ experience in implementing Disaster Recovery (D.R.) infrastructure.
* Bug-tracking and assigning tasks using Jira and create knowledgebase in Wiki.
* Configure IBM/Dell/HP-Compaq blades and servers for Oracle RAC on Linux Platform with SAN Storage.
* Sound knowledge in Windows Administration, configuring domain controllers and member servers.
* Install and configure web-servers such as IIS, SQL Server on windows and Apache in Linux Environments.
* Sound knowledge of PKI and encryption techniques and Citrix Load Balancing Farm.

**Skill Set**

Scripting : Shell-Scripting, WLST, Perl, Python, Power-shell, AWS-CLI

RDBMS : Oracle 9i,10g,12c, SQL Server 2003, 2008

Operating System : Windows, Linux, Sun Solaris

Web/App Servers : WebLogic 6/7/10/12c, Tomcat 4/5, Oracle 9i App Server, Apache and IIS

Products/Tools : Eclipse, My Eclipse, Ant, Jira, Hudson, Jenkins

Business Domains : Telecom, Finance and Higher Education.

Cloud and Virtualization : Amazon Web Services (AWS), XEN, Hyper-V, VMware V-Cloud and servers.

**Professional Experience**

* EMPLOYER**: 7554940 Canada INC, Brampton, Ontario, Canada** **(June 2010 – Present)**
* **Client: WinMagic Inc.(Oct 2015 – Present, Mississauga):** WINMAGIC specializes in encryption using Self Encrypting Drives and protecting Data at Rest. The product line includes disk encryption, self-encrypting drives and secure-doc enterprise server and client for everything encryption.

Highlights of Contribution as *System Admin and DevOps Specialist –Cloud Infrastructure*

* Sys Admin in Dev-Ops team to install and manage XEN, Hyper-V and VMware local cloud infrastructure.
* Work with the Linux Pre-Boot development team to install and check kernel modules for native encryption.
* Work on defining architecture for environments on AWS and Azure cloud platforms.
* Configure and use AWS CLI and AZURE CLI to setup secure-doc test environments on cloud.
* Configure server automation using ansible to install uninstall and do basic sanity test of new builds.
* Configured XEN and Hyper-V cluster to create simulation for Replication, cloning and migration of VM’s
* Assist DEV and QA teams to define templates and separate networks for testing new builds.
* Use power-shell and cli tools to push the latest builds from build server to the virtual platforms.
* Manage the Linux server test environments for testing the encryption module on RHEL / SuSE , CentOS.
* Extensively using JIRA / Confluence and Agile tools for rapid deployment and faster results.
* Troubleshoot various installation issues with Virtualized platforms and Linux Servers.
* **Client: Rogers** **Communications** *via AMDOCS* **(Jan 2015 – June 2015, Brampton)**. Infrastructure modernization project for Rogers Communications to migrate billing services from HP-UX platform to Linux Servers for cost savings.

Highlights of Contribution as a *Infrastructure and Integration SME -* ***Project Management Office.***

* Working in the PMO team as Infrastructure and integration SME for the middleware implementation.
* Working as a senior Linux administrator and middleware support in implementation of new billing systems.
* Work on defining strategy for migration of the old billing software from HP-UX to Linux platforms.
* Setup and install the POC on VMware Linux platforms to show implementation of new billing software.
* Analyze and migrate over 500 scripts from old servers to new server environments.
* Convert old FTP scripts to SFTP and SCP scripts to make inter server transfers secure.
* Create key-pairs for using making password less transfers and log file on central log server.
* Install and help in configuring MSFT secure transfer service between linux and windows hosts.
* Translate the technical specifications from developers and testers into PMO requirements.
* Define hardware and software specifications for Test and Non-Prod environments.
* **Client: Humber College of Advanced Learning (Nov 2011 – Dec 2014, Etobicoke):** Humber college is one of the major institutions providing higher education in the Greater Toronto Reigon. Implementation of ODC (Open Digital Campus) based on BANNER ellucian’s (formerly known as Sungard Higher Education) suite of application for University / college management. This product is used by almost 90 % universities and community colleges for campus management and has modules for finance, students, HR, alumini etc.

Highlights of the contribution as ***Senior Enterprise Applications Analyst: – Middleware Implementation***:

* Install configure and maintain multiple Linux servers for weblogic and oracle database.
* Support the VMware-vCloud infrastructure to manage multiple DEV and QA and integrated environment
* Define and configure samba and CIFS to share folders between Linux and Windows.
* Install and maintain Linux and Windows VM hosted on ESX servers and VMware Cloud.
* Migration of entire suite of applications to VMware v-Cloud for creating INTG/ DEVL environment.
* Support CI using Jenkins and shell scripts to keep customizations up-to-date.
* Create cron jobs for automatic backups and also deploy scripts on Automic UC4 scheduler.
* Write WLST scripts to automate the install of WLS and create data-sources.
* Install/Configure and Manage WebLogic Fusion Middleware products for Student Admission and Finance.
* Package jars and war files with manifest to deploy on different environments.
* Mentor a team of 3 junior admins to support DEV INTG and QA environments for updates and patches.
* Provide supports for DEV environment and securing servers using predefined policies by cf-engine
* Automate build process using scripts and central version control repository.
* Write Power-shell script on windows to use EMC documentum batch mode scan.
* Create time based scripts to automate transfer of files between Linux, and windows environment.
* **Rogers communication Inc. (Jun 2010 – Oct 2011, Brampton):** Rogers Communications Inc. is one of the major telecom / cable providers in Canada and has almost 35% market share in the Greater Toronto Area. I was Subject Matter Expert in the environment support team responsible for maintaining DEV, QA, UAT environments and provide instructions about deployment on the PROD environment.

Highlights of the contribution as ***Environment Support SME: (ecommerce Environment Support),***

* Automate server builds using kick start and automate accounts and provisioning using cf-engine.
* Provide supports for DEV environment and securing servers using predefined policies.
* Configure / Deploy and maintain RSA security appliance for DEV/QA environments.
* Setup and install windows 2008 Storage server for ESX backup.
* Automate web logic builds using Jenkins and automate server configuration using scripts and cf-engine.
* Install and configure Hyperic HQ policies and monitoring DEV Environments.
* Manage VM instances for non-prod teams for multiple releases.
* Provide new environments for new projects to DEV teams as soon as possible
* Install and setup IIS for front-end testing of Rogers.com DEV environment.
* Install and maintain Linux and Windows VM hosted on ESX servers.
* Manage remote and local servers using ssh (secure shell) over ilo.
* Hardening of OS by disabling unwanted services in new builds.
* Automate build process using scripts and central version control repository.
* Support VMware ESX servers for sales-central windows based app and sql-server DB.
* EMPLOYER**: Indus IT valley inc, St Louis, MO, USA** **(April 2007 – May 2010)**
* **Hewlett Packard (HP) / Unilever****(Jun 2008 – , May 2010 Connecticut):** Unilever is one of the world's greatest consumer goods companies, it has products ranging from tea /coffee to soaps and lotions. As a member of system Admins team and holding the position of systems analyst, We were responsible for maintenance of Linux server farms and migrate the unilver services from AIX to Linux platform in HP’s datacenter in Atlanta.

Highlights of the contribution as a ***Sr. Systems Analyst: (Datacenter Migration).***

* Working as a ***Sr. Systems Analyst*** and manage a team of 3 junior administrators.
* Migration of the in-house Unilever data-center from Connecticut to remote HP Data-center in Atlanta.
* Migration of applications and services from AIX to Linux RHEL 5.x x86\_64.
* Use HP Tools like HP-SMH and open view console. Monitor Linux/Unix servers using OMU.
* Provide solution to EDI team with reverse proxy to connect to Sterling Products (s-tunnel).
* Manage provisioning local as well as SAN storage and configure LVM and LUNs.
* Configure and install servers following industry best practices for securing servers and follow HP policy.
* Assisting transformation team and migration team to design solution and architecture to support migration.
* Consolidate instances of VM windows and Linux instances to HP Bladesfor cost savings.
* Migrate from AIX to Linux cluster and install OS on blades enclosures remotely using ILO.
* Work with storage admin to install legato networker client and VERITAS net backup client on server.
* **IPC****(Jan 2008 – , May 2008 Connecticut):** IPC manufactors trading floor phones known as Turrets and they run on mission critical environment on which the stock markets are baed. The turrets are contriolled by software and We were working on provising the turrets the failover capability to make them more reliable.

Highlights of contribution as a ***Sr. Linux System Consultant***

* Managing a 5 member engineering team to design and implement load balanced high availability solution.
* Designed and implemented HA in a cluster using the Linux LVS and Heart beat setup.
* Configure secure logins and Bastille Linux to enhance the security on call center server.
* Install Linux on Dell / IBM Blades and configure them as call center server.
* Assign work to team members and arrange technical meetings to report progress to management.
* Secure the LVS pair and allow login using Kerberos from pre-configured laptops only for maintenance.
* Write the scripts to automate the install and configuration from a central management console.
* Setup windows desktops with proper plug-in to view the soft-phone application for the turrets.
* **TransUnion****(Sep 2007 – , Dec 2007 Atlanta):** Transunion is a credit monitoring company and I was working in the team to upgrade linux from 32 bit to 64 bit.

Contribution as a ***Sr. Linux System Consultant***

* Working as a consultant with the Trans Union Unix-ops team to setup and install 10g RAC environment.
* Duties included inspecting and RAC mounting the servers, cabling and labeling the systems.
* Build blade systems using custom kick-start process using PXE boot and install and configure RHEL x86\_64
* Setup the iptables firewall and install custom scripts.
* Assist the DBA team to optimize the kernel parameters for smoother operation of Oracle RAC.
* Perform **Active Directory (Windows 2003) - LDAP integration on Sun Solaris.**
* Configure user authentication using Kerberos/Win bind/Samba.
* Write custom shell scripts using bash to automate the tasks of administering multiple servers with minimal effort.
* **In-Comm****(Apr 2007 – , Aug 2007 Atlanta):** Incomm specializes in VISA / MASTERCARD gift cards and top-up cards for various telco companies.

Contribution as a ***Sr. Linux System Administrator***

* Migration of multiple standalone Oracle 9i Databases and oracle application servers to Oracle10g RA.
* Configuration and porting of middleware environment on BEA web logic servers.
* Setup basic monitoring of servers and app ports using Nagios.
* Upgrading OS and Server hardware and installing forms / reports server.
* Build and install custom RPM’s which are required for installation.
* Configured the key/certificate subsystem and generated keys and certificates for server and clients
* Installed Juniper Networks Secure Access 2000 for Secure, intranet and extranet access for employees.
* EMPLOYER**: CIBER inc, GreenWood village, CO, USA** **(Jul 2003 – Mar 2007)**
* **United States Coast Guard – Finance Center****(Jul 2003 – , Mar 2007 Chesapeake):** Finance Centre is the payment gateway for the DHS and is responsible for provising payroll to TSA and coast Guard employees.

Contribution as a ***Sr. Linux System Engineer*** *-* ***J2EE deployment Specialist***

* Support, manage and monitor LINUX PROD environment hosting FPD application at (USCG FINCEN).
* Provide support to end-clients working at Transport Security Administration (TSA).
* Install and configure the remote logging server to track all logins/changes to Linux Servers.
* Implemented proactive patching and audit policy management to pass KPMG security Audits.
* Install Bastille Linux package and special password policies and restrictions.
* Configure account expiry on all the test/development and production systems as per DHS guidelines.
* Managing the F5 big-IP Load balancer to support the mission critical Finance and procurement desktop application.
* Configure and manage the fire-pass VPN server to allow remote access to the staff off site.
* EMPLOYER**: OMNI DEVICES INC and jaspur communications, St Louis, MO, USA** **(Jul 2001 – Jun 2003)**

Contribution as a ***Sr. Linux System Engineer*** *-* ***Developer and Network Specialist***

* ***Project: DPNS is architecture for embedded system based network devices,***
* Configure DPNS to include functions of firewall, and VPN device to connect the corporate network to the Internet.
* As a Network Setup Engineer/C Programmer for a 40 Gigabit Ethernet Router.
* Responsible for Installing Configuring and Managing Linux Server used in setup of test bed networks;
* Program modules in TMS Tornado for managed switches a tool for programming in Vx-Works (RTOS).
* Write C routines to check connectivity between Master and Backup boards.
* Generate appropriate signals to allow failsafe switch over.
* ***Project: Whisper is a technology to provide the QoS (Quality of Service*:**
* Implement Whisper Technology to improve the connection of RTSP protocol for live streaming.
* Configure QoS For Real Time Streaming using real player and QT using C and Visual Studio IDE 6.0.
* Interfacing Java Sockets interface to interact with native C/C++ code;
* Study of TCP/UDP headers sent by real player and quick time player to simulate proxy connection;
* Implemented module to parse the TCP and UDP headers.
* Determine the connection state of streaming server and allocate resources depending on bandwidth;
* Create test bed to test SIP/RTSP and H323 protocol based software with and without enabling Whisper QOS.

**Education**

***Bachelor’s Degree in Computer Technology (4 years Degree Program)*** *Yeshwantrao Chavan College of Engineering (YCCE), Nagpur, India October 1998*.

**Certifications**

*Brain Bench Certified Linux Administrator* ***2003***

*Brain Bench Certified Linux Internet Security Administrator* ***2003***

*Microsoft Certified Professional (M.C.P.) Windows 2000 Professional* ***2002***

*Microsoft Certified Systems Engineer (M.C.S.E.) NT 4.0* ***1999***

**Awards and recognitions**

*Working towards Scrum Master Certification (ScrumStudy Institute) Sep-2015*

*Certificate of Recognition (AMDOCS and ROGERS) Jun-2015*

*Certificate of Recognition (AMDOCS and ROGERS) Jun-2015*

*Contractor of the Quarter (USCG Fincen and DHS) Jan-2005-Mar-2005*

*Certificate of excellence and outstanding customer support (TSA and DHS) Jun-2005***.**

**References**

Available upon request.