

Mr. Vimal Daga

Chief Technical Officer (CTO) – LinuxWorld Informatics Pvt Ltd

Professional Experience & Certifications:

I Professional Experience

During this period, has been engaged with various corporate clients on different domains and has been involved in imparting corporate Training programs for various FOSS technologies that covers the following:

- Worked and Deploy **NoSQL** and Cluster Based database System like **HBase, Cassandra, couch-base, Maria DB** to manage unstructured or Semi –structured data
- Integrating Web services Architecture API using **SOAP and REST** to parse web data
- Manage and Implement Project Management Tools like Apache **Ant and Apache Maven**
- Managing DevOps Platform using **Chef and Puppet** for building Continuous automated delivery services
- Experience in Building and Troubleshooting Continuous Integration CI using **Hudson/ Jenkins**
- Work on Revision and Source Control System **Perforce / GIT / SVN**
- Configure Web Server Like **Apache Tomcat, Apache HTTPD, nginx** with SSL, Proxy, Authentication Support and Tuned or Optimized for Performance and Load Analysis
- Implement Infrastructure Monitoring tools like **Nagios** and Tuned Some internal SNMP Feature for Extra Support and Connect to External API for Reporting
- Write **SELinux custom policy** for enterprise level application with their daemon type transition, port binding, boolean to control security feature
- Manage and configure **MLS and MCS using SELinux** for high security driven platform for enterprise
- Worked on **docker container MCS separation by svirt** and enabled customize enforcing type of different container
- Managing **Linux System Administrator Task** like **Performance Tuning**, Kernel Re- compiling, MBR and GPT parameter tuning, Format understanding like ext2/ext3/ext3/xfs, Partition managing like swap, raid,lvm, runlevel till rhel6 version and Systemd management from RHEL7,many more
- Configuring **Linux Server on RHEL** server like telnet, openssh, ftp/sftp/ftps, http/https, samba, nfs, dns,dhcp, nis,smtp sendmail, smtp postfix, ldap,ntp, tftp, many more
- Implement and **Test Security on Linux** System like SELinux, Firewall – Iptables / FirewallD, ACL, Implement Kerberos Server and AAA server – TACACS/ Radius
- Managing and Configuring Message Queue in distributed application using Apache **Qpid, RabbitMQ, Apache AMQ, Amazon SQS**
- Setup Advanced Message Queuing Protocol (**AMQP**) for Middleware interoperability
- Managing and Configuring Virtualization Technologies Over the **Hypervisor Xen, KVM, EXSi**
- Works and Managed Full **RedHat Virtualization Technology** Product RHEVM, with complete migration and datacenter Configuration
- Works on Virtualization Products Like **VirtualBox, VMware Workstation, Virt-Manager**
- Develop Over own Virtualization Frontend Over **KVM using Python API**
- Fully Configure and Manage **Amazon AWS** Cloud for Huge Topology
- Set Each and Every Amazon AWS Products like **EC2, VPC, ELB, S3, Glacier, EMR, DynamoDB, EBS,RDS, IAM**, many more
- Works at Architect Level on **OpenStack Cloud** and Configure for Public and Private Architect

- Managing and Implementing Each Stack of Openstack like **Nova, Cinder, Glance, Keystone, Horizon, Qpid, Swift, Neutron/Quantum**
- Setup Multi Node Environment of **OpenStack Over VLAN, GRE tunnel**
- Configure Distributed Cloud Storage using **GlusterFS** filesystem
- Deploy our OWN cloud and Architect each Service by own code using Python like **Saas, Staas, Naas, Paas, Iaas**
- Setup Complete **Big Data Hadoop** Technology of Multi Node Cluster
- Manage Each and Every Component of big data for distributed storage **HDFS**, distributed computing **MapReduce** , Distributed Scheduling **YARN**
- Works on Big Data Hadoop Related Framework like **PIG, HIVE, HBase, Oozie, Zookeeper, Flume , Sqoop, Splunk** many more
- Developed **Own Web Application** to implement big data hadoop infrastructure at one click
- Deployed Many Processing Engine and Apps Over **Spark Framework**
- Worked on Real Streaming Processing on **Storm API** and integrated with **Kafka MQ**
- Developed lot of business logics on **Scala** Platform using **Spark API**
- Develop Data Analysis and Mining Project using **R programming**
- Has Done High-End Automation scripting in **Bash, Perl.**
- Developing lot of internal CGI based and Network Based tools using **Python** Language
- Build E-commerce Apps using **PHP** and Other CMS Framework like **Wordpress, Joomla.**
- Audit and Testing **Web Bugs and Analyse Security Vulnerability** like SQL-Injection, XSS, CSRF, Cookie Manipulation, Buffer Overflow , Many more in Web Application.
- Worked on **Web Technologies** like HTML4/5, CSS2/3, HTML-DOM, DHTML,XML, JQuery,Ajax,JavaScript.
- Expertise in RDBMS technology like **MySQL, Sqlite**

II Professional Certifications

- RedHat Certified Architect (RHCA) – Level 6
- RedHat Certified Enterprise Deployment & Systems Management (RH401)
- RedHat Certificate of Expertise in Performance Tuning (RH442 – RHEL7)
- Red Hat Certified on OpenStack Cloud (CL210)
- Red Hat Certified on Cloud Storage – Glusterfs (RH236)
- Red Hat Certified on Virtualization – RHCVA
- Linux Foundation Certified Engineer (LFCE)
- Cloudera Certified Training on Big Data Hadoop – CCAH
- Amazon – AWS Certified Solutions Architect – Associate Level
- RedHat Certified Instructor (RHCI)
- Certified Ethical Hacker – EC-Council (CEH v7)
- Certified Ethical Hacking Instructor (CEI)
- EC-Council Certified Security Analyst (ECSA)
- Red Hat Certified System Administrator (RHCSA)
- Red Hat Certified Engineer (RHCE)
- Red Hat Certified Security Specialist (RHCSS)
- Red Hat Certified Network & Security Specialist (RHS333)
- Red Hat Certified on Directory Services (RHS423)
- Red Hat Certified on SELinux Policy Administrator (RHS429)
- Cisco Certified Network Associate (CCNA – R&S and Security)
- Cisco Certified Network Professional (CCNP – R&S and Security)
- Cisco Certified Systems Instructor (CCSI)
- PHP Certified Developer
- Python Certified Developer

Knowing him better on Personal Front:

Vimal has always had a knack for seeing what others don't yet see. Back in 2003, when no one was fretting about the potential of Linux in entire of Rajasthan, Vimal had the foresight to start a company with INR 15000 that would eventually grow into LinuxWorld – one of the India's leading organization and first in state of Rajasthan working dedicatedly on Linux, Security & Open Source.

Stemming from his mission of Linux Training & Development, Vimal established his feet in about 90% of the engineering colleges in Rajasthan, personally conducting workshop on Security & Linux. He transformed the limited awareness of Linux then, into the process of continuous learning by unveiling the potential a Security Specialist has in any technology-driven organization. After guiding the company into Educational institutes, Vimal introduced training programs for Corporate in Rajasthan and later PAN India for an accepted fact that technology evolves continuously and thus continuous learning needs to be incorporated not just in students but also the corporeity's.

Abundant knowledge and skills, continuous learning philosophy, training exposure, experience of having worked in different environments has helped him emerge as a challenging leader in any demanding situations.

Vimal has never been afraid to try on different hats. When he was pursuing his Bachelors in Engineering and MTech, he developed his proficiency in churning out columns on SELinux, OpenLDAP, UDEV-Device Management and many more for 'LINUX For You' magazine. He practices photography as his hobby and tours some of the exotic places round the globe every year in order to keep him going in life with no less motivation and curiosity.

At 31, Vimal is filled with aspirations to achieve and enable every individual sharing a relationship with LinuxWorld to write success stories of their achievements professionally. In his words, **“We have only started a fresh, and there is a plenty of world out there for us.”**

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