

## Trainer Profile – Vimal

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### 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)
- 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

### Professional Summary

#### DevOps & Containers Automation Technologies:

- Manage and Implement Project Build Tools using Apache **Maven & Nexus Sonatype Repository Manager**
- Managing DevOps Platform using **Chef, Ansible, CF Engine 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**
- Worked on Containerized Technologies viz **Dockers, Rocket, Kubernetes, Swarm, Magnum, Amazon Container Service, RedHat Atomic Host & Core OS.**

## BigData – Data Analysis Platform

- Setup Complete **Big Data Hadoop** Technology of Multi Node Cluster
- Worked on **Kibana, Grafana** and **Icinga**
- 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 with YARN Resource Manager & Managed Hadoop 2 Resource Manager Using Mesos
- 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**
- Machine Learning using **Mahout**
- Worked and Deployed **NoSQL** and Cluster Based Database System like **HBase, Cassandra, couch-base, Dynamo DB, Maria DB** to manage unstructured or Semi –structured data
- Develop Data Analysis and Mining Project using **R & SAS programming**
- Cloud Based data analysis tools – **Amazon EMR**

## Cloud Computing Technologies – Deployment, Testing & Security

- Managing and Configuring Virtualization Technologies Over the **Hypervisor Xen, KVM, EXSi**
- Works and Managed Full **RedHat Virtualization Technology** Product RHEVM, with complete migration and datacentre 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
- Implement Data Virtualization (DaaS) to application data using Delphix, to captures and stores a copy of production application data, including ongoing changes
- Use Delphix to delivers virtual copies for application development, reporting, troubleshooting
- 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**
- **Cloud PaaS – RedHat OpenShift & Google App Engine**
- **Cloud IaaS – RedHat OpenStack, AWS, Microsoft Azure & Google Compute Engine**
- 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

## Web Application Technologies – Development, Security & PenTesting

- Developed Groovy, Grails, and HTML/JavaScript Web Apps for multiple companies in industries as varied as Telecom & IT.
- Experience in web application development, maintaining security of web applications, performing security auditing on web applications and resources.
- 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
- Having good Exposure in performing Web Application Penetration testing on web applications manually and using some tools.
- **Penetration Testing** Risk Management Network Security Code Audits, Malware Analysis
- **Vulnerability Assessment** Business Continuity Forensic Investigation Exploit Development
- Specialized experience in Information Assurance and security program management, risk management, network and systems penetration testing and vulnerability assessment
- Proficient in the testing and analysis of benchmarking the application against industry standards such as OWASP ASVS, Top 10 and SAN
- In-depth knowledge of System Administration over Any Web Application Framework and Platform including securing the platform. Experience on IDS/IPS like Snort, OSSEC and implementation of VPN tunnels over IPSec. Experience in implementing and managing IPSec tunnels across different production network
- Application security assessment of numerous web applications and mobile applications using Professional Burp Suite, Acunetix, etc
- Risk Assessment of different vendors and vendor's applications, Security incident analysis and reporting for multiple Clients. Documentation and Review of various information security policies and procedures. Develop documents for offering of assessment services. Conduct the functional and business logic testing in the security testing estimator.
- Integrating Web Services Architecture API using SOAP and REST to parse web data
- 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
- **Centrify PIM for various clients like Wellsfargo, Wipro, Bank of America, IBM**

## RedHat & Linux Based Technologies

- 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

## **Programming Languages**

- Has Done High-End Automation scripting in **Bash, Perl & Ruby**
- Worked on other languages namely **Python, PHP, Java Script, Scala, Go**