

CURRICULUM VITAE

GEETIKA KAPOOR
AUTOMATION TESTING

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Visa Status: ICT-Tier2
Working Visa (dependent)

➤ Work Experience:

- Total Years of Experience: 9.8 Years Looking for Automation and Test Lead Profile.

➤ Current Employment Details:

- Current Employer : RedHat Inc, Pune ,India
- Total Experience in Redhat : August 2015 - Present
- Current Project :

Working as Senior System Software Engineer for the project RHCS (Redhat Certificate System) well known as “Dogtag” in upstream Fedora . This product is basically a CA(Certificate Authority) which comes with key Recovery and Archival along with a Online Certificate Status Protocol(OCSP).

This product is integrated with FreeIPA product and it is the core of that.
This product is known as “Dogtag” in upstream(fedora)

✓ *Project Link for more details:*

<https://access.redhat.com/documentation/en/red-hat-certificate-system/>

➤ Previous Employment Details:

- Previous Employer : Hewlett Packard , Software R & D , Mahadevpura , Bangalore
- Total Experience in HP : August 2011 - Present
- Previous Project :

Working as Senior System Software Engineer for the project “E-IUM” (Earlier known as IUM). This is a mediation project. This product is around 11 year’s old product which has lot of diversity due to its involvement with lot of protocols and support for both public & private protocols. This product exploits the networking knowledge so as a QA person working on this needs to have good networking, Unix administration and scripting skills along with a will to learn new technology and immediately start working on that as there are 2 big releases in an year along with customization (Customers need basis which is pretty much a services based model).Refer below given link for more product in and out.

✓ *Project Link for more details:*

http://www8.hp.com/in/en/industries/communications-media-entertainment.html?compURI=1316603#.UyWsT_mSyQA

➤ Previous Employment Details:

- Previous Employer: Avaya India Pvt Ltd
- Total Experience in Avaya : March 2008 – July 2011
- Previous project :
Worked as Software System Specialist (Technical Associate) for a project Secure Access Link (SAL).

✓ *Project Link for more details:*

<https://support.avaya.com/products/P0587/secure-access-link/>

➤ Technical:

Operating Systems	Windows(2000), Red hat(4,5 ,6,7),Solaris, HP-UX, VMware
Languages	UNIX shell scripting, ,Python ,TCL(elementary),Ansible,Docker, java fixes(Need and requirement basis)
Databases	Oracle (8i,11g), MySQL (5.6), Times ten
Tools & Utilities	Wireshark, Traffic generator tools, Network troubleshooting tools like curl,tcpdump,wget,wireshark and ethereal, Utilities like hping,gdb,scapy(Packet manipulation tool),Worked on TET.,certutil,openssl.
Performance Tools	SoapUI, LoadUI, Jmeter (elementary), Measuring performance using jconsole, jstack, jvisualvm.
Protocols	CMS,TCP/IP, SNMP, ARP, NTP, DNS, FTP, SFTP, SSH, Ipv4, IPv6, EAP (over Radius & Diameter), EAP SIM/AKA/MD-5, NLS,SIP
GitHub Check-in	A. Python/Pytest 1. https://github.com/dogtagpki/pki/tree/master/tests/dogtag/pytest-ansible/pytest/ca/externalca Use - Generating openssl/certutil Certificates request and approve them using CA. 2. https://github.com/dogtagpki/pki/tree/master/tests/dogtag/pytest-ansible/pytest/tps-token Use - Automation that enroll LDAP users and later perform operations on them 3. Contributions to Fedora - http://pki.fedoraproject.org/wiki/PKI_Open_Source_History_2016

	<p>B. Ansible</p> <p>1. https://github.com/dogtagpki/pki/tree/master/tests/dogtag/pytest-ansible/installation Use - Ansible playbooks used for automating installation of system and performing sanity tasks.</p> <p>2. https://github.com/dogtagpki/pki/blob/master/tests/dogtag/pytest-ansible/common-modules/pki.py Use - Ansible module written in python so as to avoid re-writing common code.</p> <p>C. Worked on TDD and BDD model.</p> <p>D. Run all the automated tests as part of CI/CD for nightly builds and for new bits.</p> <p>E. Worked on performance tests using Jmeter test suite and debugging garbage collection issues and other performance issues.</p> <p>F. Extensively working on REST API testing.</p> <p>G. working on Selenium with python and node.js.</p> <p>H. Worked on TestNG for test case automation.</p>
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➤ Career Summary:

RedHat Work Summary:-

- Work on product RHCS on the code part which is CA , that signs the certificate which is responsible for private key archival and Recovery and OCSP which sends status to CA about any certificate.
- We are involved in fixing and detecting bugs.
- Worked on Ansible (for automating all the installation mechanism and triggering tests that further run in Jenkins).
- Worked on writing ansible module.
 - <https://github.com/dogtagpki/pki/blob/master/tests/dogtag/pytest-ansible/common-modules/pki.py>
- Have worked on lot of ansible scripts that are used to install our product.Manage ciphers and uninstall Product
- Ansible work:
 - <https://github.com/dogtagpki/pki/tree/master/tests/dogtag/pytest-ansible/installation>
- Knowledge/working for Java fixes using eclipse tool and debugging code and finding issues by de-compiling code.
- Well aware of git and patching process.
- Worked on Junits for doing code coverage for individual functions.
- Worked on pytest and integrated it with ansible playbooks.
 - <https://github.com/dogtagpki/pki/tree/master/tests/dogtag/pytest-ansible/pytest/tps-token>
- Worked on Automation framework(Shell and python)
- Open-source contribution for 2016 Fedora release by fixing bugs.

- http://pki.fedoraproject.org/wiki/PKI_Open_Source_History_2016
- Working on pytest-ansible testing code for product integration . Example:
https://github.com/dogtagpki/pki/blob/master/tests/dogtag/pytest-ansible/pytest/tps-token/test_tps_token_show.py
- Exist on Github and contributed to:
 - <https://github.com/dogtagpki/pki/tree/master/tests/dogtag/pytest-ansible>.
- Won many awards in RedHat from peers and top management for my work.
- Worked on many customer related issues and helped customer to get quick resolutions by just doing some minor changes. This helped team and developers and avoid the cycle of fixing and re-testing.
- Tested product and make it RFC compliant.
- Completed ISTQB Foundation level certification.
- Sound Knowledge of all the testing methodologies and active member of many testing community.
- If fix is small and hot fix, I have done them created jars and tested them myself and propose those solutions to customer as well as to open-source community.
- Recently working on docker where we form images using dockerfile .In those images, we setup our product installation, package installation and running tests and later we remove those containers. This makes tests isolated and even we have bug in one part of code it never hamper tests of other and thus making troubleshooting easy.
- Currently working with Labs for making our product Common Criteria Certified.
(https://en.wikipedia.org/wiki/Common_Criteria)
- Organized community events like python talks, boot camps and delivered talks successfully in those events.
- Worked in agile environment.

HP Work Summary:-

- Work on product certification for RHEL-6, Solaris and VMware.
- Knowledge/working for Java fixes using eclipse tool and debugging code and finding issues by de-compiling code.
- Worked on Automation framework(Shell and python)
- Worked of Times ten server setup and strong troubleshooting knowledge.
- Strong Network concepts.
- Linux OS Security / Administration
- Worked on LDAP (apache, openLDAP) for the IUM product security.
- Done IPv6 certification for product.
- EAP (MD5,SIM,AKA) testing over Radius and Diameter.
- EAP-SIM/EAP-AKA testing using python tool and building python scripts for testing EAP.
- Working knowledge of SIP (RFC 3261).
- Developing tools using scripting languages.
- Automating EAP scenario's positive and negative test cases for product betterment.
- Knowledge of automation in shell and Perl.
- Strong Debugging skills in python, Shell and TCL.
- Good understanding about "Java Program flow" and C and modify it based on test scenario's.
- Good knowledge of tools like scapy, wget, curl, Wireshark, tcpdump, packet generation tools etc.

- Knowledge of web-servers and familiar with HTTP/HTTPS protocol.
- Worked on Apache ActiveMQ which is used for load balancing and Job distribution equivalent to FuseMQ (RedHat).
- Actively working on security aspects of product like Certificates (generation, validation and troubleshooting related activities), Poodle testing, SSL related network traffic analyzing, Analyzing security and functional drawbacks in the Product, Helping teams in analyzing OS related Vulnerabilities.

Avaya Work Summary

- Extensive Experience in working in Remote and Virtual Team Environments (India, Australia, USA)
- Experience in dealing with Partners/Collaborator Companies (CheckPoint, SourceFire and Axeda)
- Strong trouble shooting and debugging skills
- Worked on SQL for Avaya Database and customer infrastructure.
- Worked on Avaya latest serviceability architecture. (End to End)
- Worked on agile and lean process of software development.
- Doing Deployments for SAL project. Knowledge of Weblogic
- Worked on Alarming, Remote access and Health check of devices from customer network
- Responsible for maintaining, troubleshoot dummy production environment
- Maintaining and troubleshooting PKI infrastructure
- Radius authentication support for remote connectivity
- Currently working on Verisign 2FA support and ask for approval for remote connection
- Worked for SNMPv3 and IPv6 enablement for the serviceability infrastructure

➤ Educational Qualifications:

PG / Degree	Year of Passing	Institute/University	Percentage
B-Tech (ECE)	2003-2007	Radha Govind Engg. College, Meerut (UPTU, Lucknow)	76.0%
12	2002	Meerut public school , Meerut (C.B.S.E. Board)	77.4%
10	2000	A.B.S , Meerut (C.B.S.E. Board)	81.2%

➤ Personal Summary:

Name-Geetika Kapoor

Gender- Female

Nationality- INDIAN