Ankit Gaur

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Software SDET/QA engineer with over 11+ years' experience at Cisco Systems and Akamai Technologies, in Web Security, Network Security and Media Streaming domain. B.E (Hons.) Electronics and Instrumentation, BITS Pilani, 2008. CCNA (2011) Certified.

SKILLS

Software Testing

functional testing   automation

performance testing

frameworks development

Technology Areas

computer networking   security

media streaming   cdn

Networking

vlans   routing   switching

vmware esx

OS

linux   windows   freebsd

unix/linux system knowledge

Programming

python   unix shell   tcl/expect

perl   selenium

DevOps

jenkins   ansible   vagrant

basics of aws, docker & k8s

WORK EXPERIENCE (4)

Senior Software Development Engineer in Test at Akamai Technologies **August 2014- Current**
https://www.akamai.com/us/en/products/media-delivery/media-services-live.jsp

- Component level testing and automation for C++/Linux based servers, which power Akamai Media Services Live and On-Demand streaming products.

- Automation using Python unittest based framework. Developed simulators for third party components

- Qualified multiple features like SSL support with KDC, WebVTT subtitling support, New Streaming Format support like HDS/CMAF

- Continuous Integration setup with Jenkins and Ansible

- Implemented enhancements to CI such as Crash Reporting, Pre Commit Checks with Perforce with Python, Jenkins Pipeline and Consul etc.

- Maintained local build machines for access to most recent code checkins

- Redesigned Performance Testing Framework to do Automated Capacity Determination.

- Introduced Vagrant based Virtual Environment setup to team.

- Helped scale the team with Interviewing and ramp up of new engineers.

Software QA Engineer, Adaptive Security Appliance at Cisco Systems **September 2011- August 2014**
https://www.cisco.com/c/en_in/products/security/adaptive-security-appliance-asa-software/index.html

- Tested core firewall features such as NAT, IPv6, Clustering, ACL's, Etherchannel, VLANS, Inspections, VoIP

- Test case automation using TCL. Developed testing utilities/tools using Python

- Setup VMWare ESX based virtual lab for testing

- Qualified ISA (Integrated Security Appliance) Firewall/NAT/Multicast/VPN features

- Certified Security Ninja White-belt. Acted as Security Advocate for the product

- Submitted and awarded for multiple entries for TechRadar – Cisco's internal newsletter for new technologies.

- Filed 2 patent submission related to security technologies.

Software QA Engineer, IronPort Web Security Appliance at Cisco Systems **August 2008- August 2011**

https://www.cisco.com/c/en_in/products/security/web-security-appliance/index.html

Functional testing for FreeBSD based web proxy appliance

- Tested core HTTP-HTTPS(SSL)-FTP Proxy, Access Policies, Authentication (NTLM/LDAP), Malware Scanning modules, SaaS support, DLP (on box/off box)
- Participated in three major releases and multiple maintenance and hot-patch releases
- Automated Build Qualification and upgrade testing using Selenium and Python
- Thrice Awarded Cisco Achievement Program (CAP) award for excellent performance
- Introduced Protocol Robustness testing using Codenomicon Defensics tool. Setup the Virtual appliances lab for testing.
- Debugging and reproducing customer reported issues. Providing documentation for handled features and interacting with Sales, Support Engineers for resolving issues.

Intern, Systems Engineering at Genesis Microchip **January 2008- June 2008**

- Developed MATLAB model for a Digital filter for NTSC Audio and Video

EDUCATION (3)

PGSEM at Indian Institute of Management, Bangalore
2012 - 2015

BE(Hons.) Electronics and Instrumentation at Birla Institute of Technology and Science
2004 - 2008

Grade: 9.08

Matriculation at Kendriya Vidyalaya
1998 - 2004

Grade: 96%

REFERENCES

" Ankit has exceptional testing and automation skills and excellent networking and debugging skills. He developed complex testing frameworks in Python for functional and performance testing at Akamai. He is adept in building CI systems using Jenkins. He incorporates industry standard tools and brings new ideas to the table. Ankit is a great team player as well. He is always cheerful and ready to help. It has been my pleasure working with Ankit at Akamai Technologies. He is a great asset to have in the team. "

Chitra Rentala - Apple

" Ankit is a rockstar engineer ! I worked with him as a part of WSA Test Team as his remote peer. He was fresh out of school but in quick time he showed good understanding of the product features and various networking protocols (HTTP, HTTPS, FTP) that the product was proxying. He found many critical bugs in the product and was instrumental in reproducing several critical customer defects which the customer support team at times were unable to. Lot of times he would go above and beyond his role of testing specific features, and would do general/adhoc testing which uncovered several important defects in the product and helped with overall quality of the product. He will be an asset to any team he choses to join ! "

Parag Salvi - Cisco

" I have worked with Ankit from the time he joined Akamai Technologies. He is technically strong in various networking, http , SSL and general linux. He is a quick learner. He has strong debugging skills. He is a great mentor to the juniors in the team and definitely an asset to the team. "

Usha Iyer - Nutanix