

Vasantha Peddinti

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1700 N 1st Street, San Jose CA 95112

WORK EXPERIENCE

Software Engineer in Test, Palo Alto Networks

May 2019 - Present

- Experience in testing of Next Generation Palo Alto Networks firewall on Private (KVM, NSX) and Public Clouds (AWS, GCP, AZR)
- Expertise in performing different kinds of testing: Functional Testing, Smoke Testing, Sanity Testing, Regression Testing
- Experience in Test Automation development and bug fixes using the Palo Alto Networks Automation framework with Python
- Having the automation first mindset, developed various tools using Python for the team which saved 20% of team's time per week and helped in cost cutting of budgets for public clouds
- Experience with software tools like Git, Jenkins, Jira

Graduate Research Assistant, University at Buffalo

June 2017 – September 2018

- Worked on improving the security of WLAN protocol, a physical layer device identification/fingerprinting technique for Wi-Fi to generate an authentication code for every wireless device using unique device dependent hardware characteristics and propagation channel

PROJECTS

DHCP Server Simulator

Python, Ubuntu

- Implemented DHCP - Discover, Offer, Request, Acknowledgement process

Network Sniffer

Python, Ubuntu

- Implemented packet filter, unpacking TCP headers and displayed packet data

TECHNICAL SKILLS

- **Networking Protocols:** DHCP, DNS, HTTP, FTP, TCP/IP, UDP, IPv4, ICMP, ARP
- **Programming Languages:** Python
- **Cloud Platforms:** AWS, GCP, AZR
- **Hypervisors:** VMware ESXi, KVM
- **OS:** Ubuntu, Windows, Mac OS

EDUCATION

Master of Science, Electrical Engineering

September 2018

University at Buffalo, The State University of New York at Buffalo, Buffalo NY
Signals, Communications and Networking

Bachelor of Technology, Electronics and Communication Engineering

June 2015

Jawaharlal Nehru Technological University, Kakinada, India