



Alam Baig

#Ashok Vihar, Phase 3 Extension, Gurgaon, Haryana – 122022.

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Career Objective

To become a reliable network engineer who will be able to assist the company or organization towards achieving its mission & goals.

Professional Summary

- ☐ I'm having 12 years of experience in Networking domain and I love working in a strong and friendly environment.
- ☐ During the years I have gathered strong experience on Solution Network Architect, Stress, Performance , System testing, Manual testing and Automation testing along with worked as a senior escalation engineer on networking technologies.
- ☐ Major Products handled:
 - - Versa SD-WAN, Versa next generation Firewall, FortiGate Firewall, Inventum NAS, Ruckus Wireless Access Point, Cisco Router & Switches, Juniper Router & Switches, TP Link POE and Non-POE Switches, DLINK.
 - - Ericsson Cloud SDN (Software Defined Networking)
 - - Radware ADC (Application Delivery Controller)
 - - Radware SLB (Radware Server Loadbalancer)
 - - Radware GSLB (Radware Global Server Loadbalancer)
 - - Cisco ACE (Cisco Server Load Balancer)
 - - Nortel Application Switch (Nortel Server Load Balancer)
- ☐ Having 1+ years of experience as a Network Solution Architect in SHYAM SPECTRA to manage Enterprise Manage Services(EMS).
- ☐ Having 1 years of experience as a functional testing in cloud technologies: SDN - Software Defined Networking, OpenStack, OpenDayLight Controller. Basic understanding of AWS, Docker, Kubernetes

- ☐ Knowledge in OpenStack services such as NOVA, SWIFT, KEYSTONE, NEUTRON, CINDER and GLANCE
- ☐ Having 3 + years of experience in System, Stress & Performance testing in Radware Server Load Balancer product.
- ☐ Having 4 + years of experience in python automation in Radware Server Load Balancer product.
- ☐ Worked on Python Automation scripts with ROBOT Framework and Sanity & Regression Test execution, Failure analysis and reporting.
- ☐ Developed test automation framework scripts using Python, Jinja2 , JSON,YAML.
- ☐ Working experience of Ansible to manage cloud VMs.
- ☐ Track automation results on a daily basis for better performance in testing.
- ☐ Having 3.2 years of experience as an escalation engineer to support Cisco Server Load Balancer – ACE Module and ACE Appliance.
- ☐ Having a very strong experience in Server Load Balancer product of Radware & Cisco.
- ☐ Working experience with Network Security feature SSL, SSL Offloading, SSL Session Ticket, Session Ticket Encryption Key under VRRP Mode, OCSP, OCSP Stapling, SSL Inspection (One box and two box solution), IPsec, VPN and Firewall.
- ☐ Deep understanding of Layer 2 to Layer 7 technologies with strong knowledge on networking protocols - Ethernet, VLAN, STP, RSTP, LACP, OSPF, RIP, BGP, MPLS, L4/L7 SLB, GSLB, VRRP, HTTP, HTTPS, DNS, FTP, Virtualization, L7 Content intelligent switching, RADIUS , TACACS etc.
- ☐ Working Experience with VMware ESXi Hypervisor.
- ☐ Problem solving capabilities in the realm of Layer 2 to Layer 7.
- ☐ Hands-on experience of configuration and troubleshooting Cisco networking environment.
- ☐ Experience in all phases of S/W development cycle with exposure to agile development methodologies.
- ☐ Hands-on experience with test instruments Spirent Avalanche (Spirent Test Center - STC)
- ☐ Closely worked with the customer at Client location in Israel.

□ Quick learner. Every day is different here. We go fast.

□ Core responsibilities handled:

- Designing the new complete network solution for our customer.
- Performing testing and validation of new products, as well as new releases of existing products following the test processes and standards. This includes creation of topology, test strategy and test plans based on feature specs & requirements.
- Reports and verify defects. Work with other tester engineers, developers or professional services engineers to qualify and reproduce problems.
- Performs other related duties as assigned

Technical Skills

Vertical	:	Networking
Protocols	:	Versa SD-WAN, Versa Next Generation Firewall, FortiGate Firewall, Wi-Fi, Ethernet, VLAN, LACP, STP, ARP, IPv4, IPv6, ICMP, DHCP, VRRP, IPSec, VPN, RIPv1/v2, OSPF, BGP, MPLS, RADIUS, TACACS, TCP, UDP, HTTP, HTTPS, SSL, TLS, DNS FTP, SSH, SNMP, Firewall.
Cloud Technologies	:	SDN - Software Defined Networking, OpenStack, OpenDayLight Controller.
Scripting Language	:	Python, Robot Framework.
Traffic Generators	:	Avalanche-Traffic Generators, Spirant Test Center - STC
Lab Management Tool	:	MRV Accelerate Network Lab Management tool
Virtualization Platforms	:	VMware ESXi Hypervisor, Radware Application Delivery Controller -
ADC Bug Tracking Tool	:	Rational Clear Case, Rally
Packet Analyzer	:	Wireshark,
Operating System	:	Ubuntu,
Window	:	

Experience Summery

- ☐ Currently working as a Network Solution Architect to manage Enterprise Managed Service in SPECTRA in Gurgaon. (www.spectra.co) from July 2019 till date as a Sr. Manager.
- ☐ Worked as a Tech Lead in Alten Calsoft Labs India Pvt. Ltd - Bangalore from August 2015 to July 2019. (www.altencalsoftlabs.com)
- ☐ Worked as a Senior QA Engineer in Cisco Systems India Pvt. Ltd - Bangalore from June 2012 to August 2015. (www.cisco.com)
- ☐ Worked as a Software Engineer in Alten Calsoft Labs India Pvt. Ltd - Bangalore from February 2008 to June 2012. (www.altencalsoftlabs.com)

Professional Qualification:

Master's in computer application (M.C.A) from Biju Patnaik University of Technology (BPUT) – 2007

CCNA Certified in Data Center in 2015.

Project Overview

1. Project Overview: SPECTRA (<https://www.spectra.co/>)

Spectra is Leading Innovator of Future Ready, Geography & ISP Agnostic - Secured Connectivity, Cloud Convergent Managed Services Provider with e2e Managed LAN WiFi Solutions on subscription-based model for millions of SMB Enterprise Customer unable to leverage cutting edge Technology at Highly Affordable Price with utmost peace of mind and reliability.

Primary responsibilities:-

As a Network Solution Architect - Network Planning team below are my role and responsibilities.

- Analyze business requirements to develop technical network solutions and their framework.
- Design, test, and inspect data communications systems.
- Perform network modeling, analysis, and planning.
- Install hardware such as Firewall, Switches, routers, and wireless adaptors.
- Develop technology roadmaps.
- Configure network drivers for software.
- Analyze, engineer, and execute software functions.
- Develop test plans, implementation plans, and project timelines for various projects.
- Manage technology vendors.
- Stay abreast of how technology infrastructures are currently impacting and driving competitors.
- Determine production direction.
- Write functional requirements/specifications documents.
- Assess vendor development/test strategies.
- Perform network troubleshooting to isolate and diagnose common network problems.

- Upgrade network hardware and software components as required.
- Solve complex problems with many variables.

2. Project Overview

<https://www.radware.com/>

Product	: Alteon Application Switch
Client	: Radware
Technologies	: L2-L7 Switching on Virtual Devices
Device	: AAS 4408,4416,5208,5224,6024,6420,5412
Test Management Tool	: HP Quality Center 9.2
Defect Tracking Tool	: Clear Quest (IBM)
Duration	: Aug 2015 to till date.
Scope	: Product Testing.
Role	: Tech Lead

Description:

Alteon Application Switches are multi-application switching systems designed for server and network device load balancing, application redirection, application-layer security, security acceleration, and bandwidth management. Built from the ground up with wire-speed Layer 2/3 switching and high-performance Layer 4-7 intelligent traffic management, Alteon Application Switches optimize data networks for business application performance. The ideal solution for enterprises, e-Businesses, hosting service providers, content providers, and service providers that want to enable high-performance server farms, data centers, and networks. Alteon Application Switches are available in Fast Ethernet and Gigabit Ethernet models with port density ranging from 10 to 28, all in a one rack unit platform that meet the most stringent customer requirements.

Alteon Application Switches deliver application availability, performance and security by balancing and accelerating traffic. AAS integrate routing and switching by forwarding traffic at layer 2 speed using layer 4-7 information.

A key feature of Alteon Application Switch is server load balancing (SLB), which helps load balancing of different types of traffic like HTTP, HTTPS, FTP, TFTP, RTSP servers and so on. In addition, it improves session capacity, and provides sufficient memory expansion for feature growth.

Alteon Application Switch QA involves testing different kinds of SLB like GSLB, L4-SLB, L7-SLB etc. It also involves testing of high availability (VRRP) apart from testing L2 and L3 technologies/protocols like STP, VLAN, IP Routing, LACP, RIP, etc.

My responsibilities included

- As a system test engineer, creating lab setup as per customer requirement.
- Analyzing the customer configuration.
- Service oriented tests on real world customer environments
- Validate service functionality while simulating customer traffic
- Validate that main features are functioning together
- Writing the test cases as per system test and executing the test cases with customer configuration.
- Automate the test cases using Python.

3. Project Overview:

<https://www.cisco.com/>

Product: Cisco ACE Application Control Engine Module - ACE10, ACE20, ACE30

Cisco ACE Application Control Engine Appliance – ACE 4710

Description:

The Cisco ACE Application Control Engine Module for Cisco Catalyst 6500 Series Switches and Cisco 7600 Series Routers is a next-generation load-balancing and application- delivery solution.

The Cisco ACE Application Control Engine allows enterprises to accomplish four primary IT objectives for application delivery:

- Increase application availability through advanced Layer 4 through 7 load-balancing and context-switching capabilities
- Secure the data center and critical business applications
- Facilitate data center consolidation through the use of virtualization capabilities, resulting in lower data center power and cooling costs

Accelerate application performance

My responsibilities included

- Performed Functional, System, Stress, Performance, Load, Usability & Compatibility testing.
- Fine tuning custom & existing profiles based on analysis of Profiling statistics.
- Performed Regression testing as needed for off-cycle fix releases.
- Provide support to the users during User Acceptance testing phase.
- Assisting in design, development and execution of test plans and test cases.
- Analyzing critical areas of application to ensure all requirements are covered under test cases.

4. Project Overview

<https://www.radware.com/>

Title	: Virtualization with Acceleration features (v28.0)
Client	: Radware
Technologies	: L2-L7 Switching on Virtual Devices
Device	: AAS 5412
Client OS	: Windows 2000/XP, Linux
Server OS	: Windows 2000/XP, Linux
Test Management Tool	: HP Quality Center 9.2
Defect Tracking Tool	: Clear Quest (IBM)
Team Size	: 12
Duration	: Nov 2010 to till date.
Scope	: Product Testing.
Role	: Team Member

Description:

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- Caching
- Compression
- HTTP Modification
- SSL
- Multiplexing

Personal Qualities

- ☐ Exceptional presentation and interpersonal skills.
- ☐ Able to handle the pressuresituations.
- ☐ Able to work individual as well as in group.
- ☐ Excellent communication skills in written and verbal both.

