

SOFTWARE ENGINEER ANALYST

Qualifications

- RIP, OSPF, EIGRP, BGP
- LAN Protocols: Ethernet, TCP/IP, UDP, Spanning Tree Protocol (STP), RSTP, Fast Ethernet
- WAN Protocols: Frame-relay, PPP, HDLC
- Application Protocols: Application/Web Servers SNMP, TELNET, SSH, DHCP, DNS, ARP, HTTP, FTP, TFTP
- SONET, SDH, ATM & MPLS, VLAN, Routing, Flow & Congestion control, mininet, Random Values, Stochastic process C, Python v2.7, Wireshark, Excel Macro, HP ALM, HP QTP, IBM Clear Quest, Worksoft Certify, Pivot, VB Script, Matlab 9.0, Hexawise,
- LINUX, Microsoft Office Suite, Photoshop cc, CCNA (appearing in the end of May)

Experience

July 2012

to

May 2015

Bickford Senior Living Carmel Software Engineer Analyst

- Experience in IT industry in Testing Domain, automation and manual testing Identified multiple production defects that were causing revenue loss to the client Acted as a Subject Matter Expert (SME) and mentored team on insurance functionalities after learning insurance domain and multiple products efficiently within 2 month Scripted an automation tool in Excel sheet using VB-script which reduced 95% of the manual effort in testing Analyzed requirement, did test planning, test case creation, execution, data collection, peer review of testing scenarios and test script, created requirement tractability matrix, raised defects, addressed and followed up with respective development team Organized one career development session per month on behalf of Accenture Associate Software Engineer Guide Program (AASEGP) team for the new joiners and connected them to resources for needs Acted four times as the point of contact for four different projects and coordinated a team of four to six from Accenture offshore, onshore and Northern Ireland client side by allocating them daily assignments Communicated to client every end of the day in status meeting and kept them updated about the daily status.

Bickford Senior Living

- Configured cisco routers to create subnets; observed distance vector routing protocol and ICMP redirect; configured routers as bridges and observed a packet's routing process; configured a network using bridges to observe spanning tree generation.
- Observed IP fragmentation of UDP datagram and how it gets reassembled in the remote host; compared the transfer rates of FTP and TFTP by sending smaller files and larger files from FTP server to FTP client; analyzed TCP dump in Wireshark.
- Analyzed interactive and bulk dataflow after observing packet retransmission and exponential back off during loss in TCP.

HIGH SPEED NETWORKS

- Created a network with four hosts and two switches using Mininet and Python v2.7 where two of those hosts simultaneously send traffic.
- to other remote hosts; observed Round Trip Time (RTT), bandwidth loss and packet drops in the network.
- Implemented four different types of buffer (normal sized, short, longer and multiple buffer) using Mininet and Python v2.7 for a traffic.
- flow and observed how buffer behaves at the time of burst traffic and how it effects the RTT of the packets.

Education

May 2017

New York University, Tandon School of Engineering City , State Master of Science : Electrical Engineering Computer Networking GPA: GPA: 3.2/4 Electrical Engineering Computer Networking GPA: 3.2/4 RELEVANT SUBJECTS: High-Speed Networks, Intro to RF/ Microwave Integration Circuit, Internet Architecture and Protocols, Fiber Optics Communication

June 2012

West Bengal University of Technology Netaji Subhash Engineering College City , India Bachelor of Technology : Electronics and Communication Engineering GPA: GPA: 3.7/4 Electronics and Communication Engineering GPA: 3.7/4

Interests

Volunteered in NYC First Lego League Brooklyn Qualifier Event & NYC FLL Championships Event Mar. 2016 Acted as a Technical Judge and Core Value Judge in multiple NYC FLL Championships Events Service Event at Trinity's Services, Graduate Student Council Dec. 2015 Cooked and served food to local homeless people in a community event in New York City INTERESTS Playing Cricket, Age of Empires II, Charcoal Sketching, Architecture photography and Long-exposure photography

Skills

ACADEMIC, Photoshop, ATM, automation, BGP, bridges, C, CCNA, cisco routers, client, data collection, DHCP, DNS, EIGRP, Ethernet, Fast Ethernet, Fiber Optics, Frame-relay, FTP, HDLC, HP, HTTP, IBM, insurance, IP, LAN, LINUX, Matlab 9.0, Excel, Microsoft Office Suite, Microwave, network, Networks, OSPF, peer review, PPP, Protocols, Python v, QTP, Quest, requirement, RIP, routers, Routing, SDH, SSH, script, SNMP, Software Engineer, SONET, switches, TCP/IP, TELNET, VB-script, VB Script, Web Servers, WAN

Additional Information

- VOLUNTEERING ACTIVITIES Volunteered in NYC First Lego League Brooklyn Qualifier Event & NYC FLL Championships Event Mar. 2016 Acted as a Technical Judge and Core Value Judge in multiple NYC FLL Championships Events Service Event at Trinity's Services, Graduate Student Council Dec. 2015 Cooked and served food to local homeless people in a community event in New York City INTERESTS Playing Cricket, Age of Empires II, Charcoal Sketching, Architecture photography and Long-exposure photography