

Education

Bachelor of Science in Computer Engineering, June 13, 2009
Drexel University, Philadelphia, Pennsylvania

- Pennoni Honors College
- AJ Drexel and Dean's Academic Scholarships
- Senior Project: Real Time Image Processing on Mobile (Android) Devices

Experience

Comcast NE&TO, Mt. Laurel, NJ

Engineer 3, Engineering Operations, August, 2011 to present

- Level 2 Operations for Cisco BACC/CNR (National RDU, DPE, and DHCP infrastructure for DOCSIS, MTA, and CPE devices), AUPM (National Acceptable Use Policy Management for malware, intellectual property theft, and bandwidth usage), National Watchtower, Scout, and IPControl.
- Designed and implemented upgrade procedures for BACC/CNR, AUPM, and IPControl, working with technologies such as Weblogic, BPM, Oracle DB, MySQL DB, and Tomcat.
- Completed intake of Tier 1 applications into national monitoring and support systems.
- Using Agile and Scrum methodologies, designed and developed tools for data gathering and manipulation, monitoring, and metrics.
- Worked with vendors for software requirements, bug reports, and to develop training for members of the L2 and L1 teams.
- Support, Troubleshooting, and Break/Fix support for a wide range of applications.

Engineer 2, Device & IP Provisioning, July, 2010 to August, 2011

Engineer 1, Device & IP Provisioning, March, 2008 to July, 2010

- National Service Desk for Cisco BACC/CNR (National RDU, DPE, and DHCP infrastructure for DOCSIS, MTA, and CPE devices) and Nominum DNS (Customer facing recursive and authoritative DNS and DDNS).
- Technical Lead for the design and development of monitoring systems and tests in an Operations environment using Perl, HTML, and RRD databases.
- Development and maintenance of web based applications using Perl, PHP, HTML, and MySQL databases.
- Responsible for cable modem and customer premise equipment provisioning and cable modem bootfile and firmware distribution systems.
- Preparation of systems and testing for DOCSIS 3.0 and IPV6.
- Trained new team members.
- Wrote SMOPs for troubleshooting and repair of systems.

Network Labs Co-Op, April to September, 2007

- Redesigned Cable Modem Certification System for automated testing.
- Performed CISCO IOS programming and setup of routers and switches.
- Performed product review, testing and certification.
- Installed server hardware and software for automation (Linux and Windows).
- Created systems for inventory control and management.

Checkpoint Systems, Thorofare, NJ
R&D Co-Op, April to September, 2006

- Developed and performed quality assurance tests in small teams.
- Assembled prototype boards and cables using surface mount and through hole soldering.
- Programmed prototype boards for testing.

Unicco Services, Pedricktown, NJ
Engineering Assistant, under contract to PolyOne Corp, June to September, 2005

- Developed hand held application for Emergency Response Team's material safety datasheets.
- Migrated employee record management system from paper to an online database.
- Created customized reports for several departments.

Certifications

Red Hat Certified Technician, RHEL 5
August, 2009

A10 Load Balancer Administration
May, 2010

Oracle Weblogic Administration
October, 2011

MySQL Database Administration
April, 2013

Skills

Hardware: IP (Routers, Switches, Ethernet, TCP/IP, Fiber & Copper Wiring), A10 Load Balancers, CMTS and Cable Modems, Cisco Network Registrar, IXIA Performance Testers

Operating Systems: Solaris, Linux (Red Hat, Ubuntu, Fedora), Cisco IOS, DOS, Windows, Mac OS

Software: Weblogic, Linux/GNU Utilities, PL/SQL Developer, Netbeans, XCode, PSPICE (Allegro SPB and PADS), OnTAP, XILINX ISE, Maple, Matlab, AutoCad, LabView, MS Word, Access, Visio, and Excel, and Adobe Photoshop and Acrobat

Programming Languages: Perl, PHP, Java, C, C++, Python, Bash, VHDL, XML, and HTML

Databases: MySQL, Oracle, and RRD