

Brady Galen Alleman
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Education

Shippensburg University 2001 – 2005
Shippensburg, Pennsylvania

- Bachelor of Science degree
- Computer Science Major, Systems Programming Concentration, Mathematics Minor
- GPA: 3.849, Summa Cum Laude, Honors Program Graduate

Big Spring High School 1997 – 2001
Newville, Pennsylvania

- Class Rank: 1 of 224, GPA: 3.984.
- Graduate of Cisco Network Academy program.

Experience

Network and Systems Administrator at
Shippensburg University / Computer Center 2004 – Present
Shippensburg, Pennsylvania

- Maintained campus network (Cisco equipment) from the core to the edge.
- Performed Solaris, Linux, and VMWare ESX administration on entry to enterprise hardware.
- Developed and maintained registration, diagnostic, and web authentication apps in PHP and Perl.
- Established majority of campus wireless network, including initial roaming with shared VLANs and later conversion to lightweight architecture.
- Responsible for obtaining new hardware quotes for network expansion and enhancement.
- Enhanced network security, performance, and maintainability by deploying reverse-path verification, SYN traffic policing, edge ACLs, centralized logging, SNMP trend analysis, RADIUS, and version control of configurations.
- Managed student workers performing network administration duties.
- Trained as a backup network engineer for the SSHENET NOC.

Network Engineer at
CTI Networks / PAdotNET 1999 – 2004
Mechanicsburg, Pennsylvania

- Installed and configured telephone system for technical support call center, including VoIP technologies (H.323, SIP, IAX), Asterisk IP-PBX and traditional Lucent PBX equipment.
- Implemented trend monitoring of network traffic, server load, and environmental statistics.
- Performed equipment upgrades and configuration changes on mission-critical routers, access servers, and related hardware.
- Performed Linux server administration.

Technical Skills

- Languages Java, C, C++, Pascal, Object Pascal, Perl, PHP, SQL
- Service Administration DNS (BIND), HTTP (Apache), SQL (MySQL, Oracle), SNMP, NTP, RADIUS
- Server Administration Linux (Red Hat, Fedora, CentOS), Solaris (8,9,10), VMWare ESX
- Network Administration Cisco IOS, CatOS, FWSM, ASA, WiSM/CUWN/LWAPP; Ascend/Lucent TAOS; Juniper JUNOS; dynamic routing with OSPF and BGP; Linux iptables and Checkpoint firewalls; policy-based routing; QoS policies
- SAN Administration Hitachi HDS9980 / Sun StorEdge 9980 configuration and LUN assignment, Brocade SilkWorm 12000 basic configuration and monitoring, EMC Celerra config (including CIFS/NFS multiprotocol implementation)
- Telephony / VoIP Asterisk, MultiVOIP, Lucent TNT, Carrier Access Adit 600, Lucent Merlin, Digium T100P (CT1 and PRI mode), SIP, IAX, AGI

Additional Information

- Received an honorable mention in the 2004 ACM International Collegiate Programming Contest held in Prague, Czech Republic.
- Member of Upsilon Pi Epsilon, an honor society in the computing sciences.
- Developed NetMRG, an open-source network monitoring package.