



Objective

Seeking a position in the field of computer networking which fosters technical growth by planning and implementing enterprise networks.

Experience

“Nick is one of the rare developers with true genius, true skill, and true passion for his work. It's a comfort to know I can place Nick on any of my major client's projects and know that he has not just the technical expertise required but also the communication skills necessary to interact with and impress my clients. Server admin, programmer, and hardware expert: Nick is the type of triple threat I need to run my business.”

- Sean Buscay,
Senior Website Architect

Candoris Technologies

Annville, PA 17003

- Conducted wireless site surveys for new and existing Aruba wireless infrastructure utilizing passive and active planning tools such as Ekahau, inSSIDer and Visual RF Plan. Implemented solutions utilizing a range of radio and authentication technologies.
- Installed Network Access Control systems for wireless, wired and remote access infrastructure including Microsoft Windows Network Policy Server and PacketFence in both Cisco and Aruba environments.
- Designed, upgraded and troubleshot campus, datacenter and SMB switching infrastructures utilizing Force10, Dell Networking, Cisco, Brocade and VMware NSX technologies.
- Performed firewall implementations and migrations between multiple vendor platforms including SonicWALL, Cisco, Sophos, Fortinet and Juniper. Analyzed and transposed configurations while implementing new security features, remote access, content filtering and endpoint protection.
- Implemented, sized and upgraded VMware vSphere infrastructure with standard to enterprise plus licensing. Utilized high availability clusters, distributed switches, fault tolerance and vSAN. Performed Physical to Virtual (P2V) and Virtual to Virtual (V2V) migrations of servers running Microsoft and Linux server operating systems.
- Sized and implemented Dell Compellent and Equallogic iSCSI SAN solutions for VDI and server environments along with Jumbo Frame, Flow Control, and iSCSI session monitoring features. Migrated customer data and implemented replication, data-tiering and snapshotting technologies.
- Assessed customer needs and provided disaster recovery solutions utilizing SAN, backup and network infrastructure to facilitate Recovery Time/Point Objectives as low as 5 minutes.
- Implemented Hyper-V clustering and virtualization platforms. Migrated customer Active Directory infrastructure from Microsoft Windows Server 2003 to Server 2012 R2 and performed P2Vs and V2Vs.

Network & Virtualization Engineer

February 2014 - Present

Higher Information Group

Harrisburg, PA 17112

- Assessed client needs, gathered quotations from vendors, and prepared technical proposals as part of pre and post-sales.
- Performed proof-of-concept designs and implementations for new technologies and services.
- Responsible for the end-to-end Quality of Service of VoIP solutions and the LAN deployment of VoIP phones using CDP, LLDP and DHCP Discovery.
- Conducted wireless site surveys for new and existing wireless implementations to meet customer needs and suggest solutions to existing coverage, interference, and radio oversubscription issues.
- Implemented iSCSI SAN infrastructure for Dell Compellent, Equallogic, and PowerVault storage solutions along with Jumbo Frame, Flow Control, and iSCSI session monitoring features.
- Created applications to standardize configuration and deployment of network devices, reduced configuration errors, implementation time, and required staff for deployments.
- Planned and implemented multiple DMVPN networks consisting of redundant hubs and up to 60 branch office spokes. Implementations include the international pharmaceutical company, VivoPharm Ltd, and its laboratories in Australia, Germany, and the United States.
- Responsible for the configuration and growth of Higher Information Group's datacenter's L2 & L3 switching, IPsec & DMVPN VPNs, IGP routing protocols, and multihomed BGP routing.

Network Engineer

April 2011 – February 2014



Projects:

- **Juniata County School District Network Infrastructure Upgrade (2012)**
 - Quoted, designed, and implemented network infrastructure spanning 11 buildings and over 80 L2 and L3 switches. Resubnetted existing flat network into efficient and security-based subnets.
 - Performed wireless site surveys and implemented a managed wireless infrastructure utilizing Cisco WLC platform for 11 buildings to support educational staff and visitors.
- **Brandywine Heights Area School District One to one Wireless Initiative (2013)**
 - Quoted, designed, and implemented high density wireless solution for 1:1 classroom initiative leveraging redundant Aruba Wireless Controllers and over 160 access points for three buildings.
- **Kutztown Area School District Network Infrastructure Upgrade & Virtualization (2013)**
 - Upgraded WAN links between buildings and implemented high availability Force 10 layer 3 switching. Implemented separate and highly redundant network for SAN infrastructure.
 - Implemented high availability SonicWALL layer 7 firewall solution to manage district bandwidth, content filtering, security, and compliance for federal funding.
- **Ollie's Bargain Outlets Corporate Datacenter SAN Infrastructure (2013)**
 - Designed and implemented SAN infrastructure to support new virtualization initiatives. Resubnetted network and implemented high availability layer 3 switching.

Gixel Productions
Mt Laurel, NJ 08054

Network Infrastructure Manager
May 2012 – Present

- Planned, configured, and implemented 300-700+ user networks to support latency and bandwidth sensitive protocols.
- Implemented security services, content filtering, and application-layer management using Palo Alto, Sophos UTM and SonicWALL Firewalls.
- Planned and deployed managed Cisco and Aruba wireless solutions.
- Configured and maintained CallManager Express-based VoIP system and administered the deployment and Quality of Service of phones.
- Designed and implemented a tiered switching infrastructure using Cisco 3750X and 2960 switches.
- Set up and administered a VMware Enterprise environment for all infrastructure servers.
- Developed Registration and Customer Relationship Management solutions to promote and facilitate event functions.

Sean Buscay
Strasburg, PA 17579

Linux Server Administrator
January 2010 – April 2011

- Administered and maintained Linux development servers running Apache 2, MySQL and PHP 5. Created and monitored backups of databases and critical development files.
- Provided toolsets for responding to common development issues by maintaining detailed documentation for fellow developers and clients.
- Raised productivity and development speed by scripting the building and testing of websites on a LAMP platform utilizing Hudson integration server, Mercurial, and Bash scripting knowledge.
- Advanced to development work within six months and provided Drupal template theming, module modification, localization services, and the testing of new Drupal modules such as CiviCRM and Ubercart.
- Worked with development team on websites for the following clients:

Russell Reynolds Associates	Purpose
Slow Food USA	Baby Name Wizard
Generation Grownup	

JLB Architectural Engineering Inc.
York, PA 17408

Network Administrator
July 2008 – September 2011



Skills & Abilities

"Nick is very knowledgeable of all things infrastructure. He has great attention to detail and a wealth of knowledge around best practices, cross platform, and various industries. Working with him on several projects, I can honestly say that he is a motivated, highly trained, and well versed professional with a ton to offer any company."

- Chris Harner,
Network Analyst III at
Commonwealth Health

In direct support of business strategies and needs, highly proficient and capable in utilizing and leveraging the following technologies, programming languages, applications and operating systems:

Vendor Platforms

- Cisco IOS | PIX | ASA | WLC
- Aruba ArubaOS | InstantOS
- Dell Networking | Force 10 FTOS | SFTOS
- HP ProCurve
- Brocade Network OS
- Dell SonicWALL Firewalls
- Sophos UTM Firewalls (formerly Astaro)
- Palo Alto Networks Firewalls
- VMware vSphere Infrastructure
- Windows Server 2012 (R2) | 2008 (R2) | 2003
- Red Hat Enterprise Linux, CentOS and Ubuntu

Programming & Scripting Languages

- PHP
- JAVA
- .NET C#
- Bash

Network Protocol Proficiencies

- BGP | EIGRP | OSPF | RIPv2
- L7, Zone and Stateful Firewall Policies
- Policy Routing, Redistribution & Filtering
- MSTP | (Rapid) PVST | STP
- IPsec VPN | DMVPN | EasyVPN
- iSCSI, Flow Control
- CDP, LLDP, SNMP
- VoIP QoS, SCCP, SIP

Software Proficiencies

- Apache 2 | MySQL | BIND
- Microsoft Network Policy Server
- Dell AppAssure
- Zabbix Network Monitoring

Education

York College of Pennsylvania

GPA 3.94

- Provided tutoring to computer science and computer information systems students in the C# programming language and object-oriented programming concepts.
- Graduated *Summa Cum Laude*

Graham School of Business

Courses available upon request.

York County School of Technology

GPA 4.00

Adult Education Program

CompTIA A+ preparatory course, Cisco CCNA Exploration 1

Central York High School

GPA 4.00

Science & Industry Academy

Courses available upon request.

Industry Certifications

- VMware VCP5-DCV 2014
- Cisco CCNA Wireless 2014
- Sophos UTM Engineer 2014
- Cisco CCIE R&S 350-001 2014*
- Cisco CCNP R&S Certified 2012
- Dell Network Security 2012
- Cisco CCNA R&S Certified 2009
- Cisco CCENT Certified 2009
- CompTIA Linux+ Certified 2009
- CompTIA Network+ Certified 2009
- CompTIA A+ Certified 2008

Currently pursuing Cisco CCIE.

* Passed written exam but not lab exam.