



Bryan
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Professional Summary:

CCIE Certified Network Engineer specializing in the strategy, design and implementation of technology driven products with expertise in network architecture and project management to deliver accelerated technology projects for over 25 multi-national corporations for projects totaling over \$800 million dollars. Cisco Certified Internetworking Expert in Routing and Switching as well as a candidate for CCIE in Service Provider.

- Project experience includes key role for NYC DoITT **converting the entire NYC backbone** from IP to MPLS.
- Subject matter expert in Cisco technologies with experience working directly for Cisco responsible for network optimization services for the **largest IP backbone** in the world.
- Expertise includes conducting and documenting a **comprehensive network assessment for FDNY**.
- Extensive experience in the **development of Data Center network infrastructures**, contributing to the innovation, strategy and delivery of **emerging network architectures**.
- Skilled leading global technology projects including designing **International Site connectivity for all remote airports in Mexico, Dominican Republic, Barbados, Bermuda, St Lucia, Puerto Rico, Jamaica, Bogota, Costa Rica, and St Maarten, San Salvador**.

HARDWARE Routers	Cisco 871, 1700, 2500, 2600, 2800, 3600, 4000, 7000, 7200, 7300, 7500, 7600, ASR9006/9010/9910/9912, ASR901, ASR903, CRS-1
Switches	Cisco 1548, 1900, 2900, 3500, 3550, 3750, 3560, 4000, 4900, 5000, 6000, 6500, ME3400, ME3600, ME3800
Network Appliances	Cisco Configuration Engine 3.0, Cisco Local Director, Cisco Distributed Director, Cisco Pix Firewalls 535,525,515,501, 506, Cisco Switch Probes, Cisco Content Engine 510, 7305, Cisco AIRONET 350, Cisco AS5300 NAS, Cisco IP Phones 7960, 7940, Cisco IP/TV 3411 & 3423, Cisco IP/VC 3510 & 3525, Cisco Intrusion Detection Sensor (Net-Ranger), 3DNS
Network Protocols	TCP/IP, UDP, SNMP, PPP, HDLC, ISDN, FRAME RELAY
Routing Protocols	RIP, OSPF, EIGRP, IGRP, BGP IV, ISIS, MPLS
Operating Systems	Windows 7/Vista/2000/XP, Windows NT 4.0, Windows 2003/2008 server, Win98, Win95, Solaris 10, Linux RHEL4
Products	Call Manager 3.X, Unity 3.1, 4.0, Cisco Secure ACS , Cisco Multicast Manager MCS 78XX, IP Phone 79XX, ICS 7750
Network Management	Cisco Works LMS, HPOV, MRTG, Solar Winds NPM4.0, Kiwi Cat Tools, NGenius Performance Manager 4.1., Cacti, Ops Ware
Documentation	MS Visio Professional, MS Office

Education/Certifications:

- Bachelor of Science in Computer Science and Math, George Washington University, Washington D.C.
- **CCIE Routing & Switching #40876**
- **Cisco Certified System Instructor #35327**
- CCIE Service Provider written
- Cisco Certified Network Associate®, CCNA
- Cisco Certified Design Associate®, CCDA
- Cisco Certified Network Professional®, CCNP
- Cisco Certified Design Professional®, CCDP
- Cisco Certified Wireless LAN®
- Cisco Certified Sales Expert®

Cisco Advance Services Training, CCIE R&S Boot-Camp II, **Cisco Advance Services ASR 9000 Training**, Cisco BTS Soft Switch provisioning, Cisco BTS OMT 4.1, Intro to Cisco Router Configuration, Installation and Maintenance of Cisco Routers, Advanced Cisco Router Configuration, Cisco Internetworking Troubleshooting, Configuring and Monitoring Dial-Up Troubleshooting, Cisco LAN Switch Configuration, Cisco Enterprise Management Solutions, Cisco Voice

Professional Experience:

Client: UNIVERSAL Technologies/NYC Fire Department (FDNY), New York, NY

Aug 2019 – Present

Title: Senior Network Engineer

Responsibilities:

- Performed a comprehensive network assessment at FDNY NYC.
- Provided project management for the **FDNY network assessment**.
- Utilized industry standard network discovery tools in the complex FDNY network environment.
- Produced detailed interactive Layer 2 and Layer 3 network topology diagrams using **Visio**.
- Produced **network assessment recommendations**, summary and inventory documentation.

Client: Bank of New York Mellon, Jersey City, NY

Nov 2018 – Jul 2019

Title: Senior Network Engineer

Responsibilities:

- Member of DMZ Engineering group responsible for 3rd level support.
- Responsible for US DMZ day to day run-the-bank operations.
- Developed and maintained **documentation** relating to the physical and logical configuration of the network.
- Operated and maintained network devices and acted as a 3rd (expert) level escalation point for the NOC staff.
- Performed Problem determination and **root cause analysis** utilizing available diagnostics, documentation, service aids and other tools including but not limited to knowledge-based systems, other computer-based applications, and other technical resources.

Client: Cisco Systems Inc. New York, NY
Title: Network Engineer

May 2017 – Jul 2018

Responsibilities:

- Network Consulting Engineer responsible for the entire migration of **NYC DoITT backbone** from IP EIGRP to MPLS L3VPN.
- **Designed, implemented, assessed and supported** complex networks.
- Provided engineering assistance in the Service Provider Wireless Carrier space.
- Collaborated with the Project Manager to coordinate the staging and deployment of equipment, ensures project checkpoints are met, and performs validation testing.
- Verified the test strategy and test scenarios in a VIRL lab, delivered Design Validation Test Plan (DVTP), design and document migration plan, delivered MOP, and assisted in migration cut over and knowledge transfer.
- Finalized Design Validation Test Phase (DVTP) in a Virtual Internet Routing Lab (VIRL).
- Responsible for understanding **the DoITT IT network to plan, design** and support the migration.
- Responsible for Service Provider expertise and IP to MPLS migration experience.
- Articulated the migrated road map, including options.
- Resolved issues during and post migration.

Client: Morgan Stanley, New York, NY
Title: Senior Network Engineer

Nov 2016 – Mar 2017

Responsibilities:

- Senior Data Network Engineer is responsible for the **development of Data Center network infrastructures**.
- Contributed to the innovation, strategy and delivery of **emerging network architectures**.
- Collaborated with systems engineering, operations, project management, and security teams.
- Provided detailed test plans and procedures for network interoperability testing and code verification.
- Provided testing certification for MDEX Market Data services for the bank EU division.
- Certified CRS-X IOS-XR 5.3.4 testing based on the banks networking standards.

Client: Cisco Systems Inc. NY, NY
Title: Senior Network Engineer

May 2010 – Oct 2016

Clients: Cablevision, Suddenlink, Level-3, Sidera, Lighttower, DIRECTV, Switch Communications, Fairpoint Communications, Frontier Communications

Responsibilities:

- Responsible for network optimization services for the **largest IP backbone** in the world.
- Provided IOS and IOS-XR software strategy and risk analysis to several Tier-2 SP customers.
- Member of Advance Services US Service Provider supporting 5th largest MSO in the US.
- Responsible to drive, deliver, and resolve complex issue with high speed data network.
- Involved with **troubleshooting complex architecture issues** with ASR9K/CRS-1/C7600/C6500/UBR10K/C4900 network appliances.
- Provided proactive and reactive support to clients engineering teams.
- Provided resolution of IOS bugs via interaction with AS development teams.
- Provided research and development of customer POC for implementations on 6500/7600/ASR 9K routers.
- Assisted in the **design, implementation, and migration of ASR 9K platform**.
- Provided technical knowledge and support for ASR9K/IOS-XR.
- Provided **troubleshooting** for complex issues with **BGP, OSPF**, ISIS, MPLS.
- Delivered IOS recommendations for high speed data network.

- Developed proactive analysis of potential faults with CNC Network Profiler.
- Decreased TTR for hardware and software related faults.
- Interacted with clients Lead Architects, Engineers, and Directors daily.

Client: JetBlue, New York, NY

Oct 2008 – Jan 2010

Title: Senior Network Engineer/Network Management Architect

Responsibilities:

- Responsible for **selecting and training staff for Level 2-4 engineering team.**
- Provided **technical direction, policy and standards** for NIS Network Team.
- Led Level IV Engineer providing 4th level troubleshooting and support.
- **Debugged complex applications layer problems with Cisco NAM module.**
- Responsible for **designing all network management monitoring and audit trail platforms** to include Cisco-Works 2000, Syslog servers, SNMP monitoring, layer 4-7 applications monitoring.
- Negotiated product pricing and discounts from multiple vendors.
- Responsible for the remediation of entire JetBlue infrastructure to include routing, switching, wireless, and network management.
- Provided JetBlue leadership with detailed design documentation and implementation strategies.
- Resolved multiple complex routing and switching issues with JB Net.
- **Performed analysis of RFP for JetBlue's Infrastructure** Business Partner Initiative from multiple vendors.
- Participated in IBP Vendor Selection as well as Design Review meetings.
- Responsible for managing all site type III cutovers.
- **Responsible for the planning of all physical plant standards and remediation.**
- Designed **International Site connectivity for all remote airports in Mexico, Dominican Republic, Barbados, Bermuda, St Lucia, Puerto Rico, Jamaica, Bogota, Costa Rica, and St Maarten, San Salvador.**
- Designed and deployed remote agent connectivity via Cisco Configuration Engine 3.0.
- Interacted with multiple business groups to include DCO Server Engineers, SQL Development, Change. Management, Incident Notification Team and well as Crew Member services.

Client: PFIZER, New York, NY

May 2007 – Sep 2008

Title: Senior Network Engineer

Responsibilities:

- Led Level Three Global Engineering team, providing third level troubleshooting support.
- Provided **network management** for network changes (10,000+ devices).
- Provided **expert knowledge of IP networking and routing protocols** (TC/PIP, PPP, **BGP**, OSPF, RIP, etc.).
- Designed and implemented network designs for enterprise applications.
- Provided strong **WAN/LAN** Network Topologies experience.
- Designed and supported large cabling infrastructures.
- Designed the Network consisting of **Cisco Catalyst** switches.

Client: Cisco System Inc., New York, NY

Aug 2004 – May 2007

Title: Senior Network Engineer

Client: Executive Technology Group, W. Hempstead, NY

Nov 2001 – Aug 2004

Title: Senior Network Engineer

Client: Schultze Roth & Zabel, New York, NY

Mar 2000 – Jun 2000

Title: Network Engineer

Client: Baruch College, New York, NY
Title: Network Engineer

Client: Align Communications Inc., New York, NY **Oct 1998 – Mar 2000**
Title: Senior Network Engineer

Client: VITAL NETWORK SERVICES, New York, NY **Jul 1997 – Oct 1998**
Title: Senior Network Engineer

Client: BLOOMBERG L.P., New York, NY **Nov 1989 – Oct 1995**
Title: Special Projects Coordinator/Console Operator Administrator/PC Support/Technical Support