

# Joseph J. Glavan, III

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## NETWORK ARCHITECT

Highly accomplished and hands-on network architect with extensive experience in network design, implementation, and maintenance. Demonstrated expertise in all phases of the network, including pre-sales, architecture design, development, and deployment. Analyzes organizational business needs and procedures, and leverages technical knowledge, strategic thinking, and communication skills to provide value-driven solutions that streamline operations and exceed stakeholder expectations. Known as a problem solver with strong working knowledge of Cisco hardware.

## AREAS OF EXPERTISE

Designing Infrastructure Solutions | Construction | LAN/WAN and Wireless Design | Vendor Management | Architecture Resiliency | Operational Excellence | Budget Management | Leadership | Business Intelligence | Team Building and Mentoring

## SELECTED ACCOMPLISHMENTS

- Designed Azure and AWS cloud connectivity solutions for various clients [AT&T Global Business].
- Designed, coordinated, and implemented the replacement of Frame Relay circuits with MPLS circuits at 15 Field and Regional Offices in North America reducing carrier cost 20% and improving Network Latency [AT&T Global Business].
- Designed, estimated, and implemented End-of-Life hardware solution for clients' worldwide network, which resulted in reducing hardware costs by over 50% from \$1,172,000 to \$514,000 [IBM Corporation].
- Negotiated contract with Anixter Communications for Structured Cabling material for Gap No. America that provided \$100k savings a year [Gap Inc.].

## EXPERIENCE

### **AT&T Global Business, an AT&T Inc. Subsidiary**, Cincinnati, Ohio Area - Remote

**10/2008 – 10/2023**

Multinational conglomerate company providing outsourced telecommunications and network management services with 250,000 employees.

#### **Network Architect**, 06/2013 – 10/2023

Operated as a technical leader responsible for understanding client needs, documenting their requirements and translating them into solutions instilling best practices. Designed client data center layout and laid out associated plan to migrate their business to the new facility. Conducted the to-be design and plan for tech refreshes, disaster recovery sites and cloud connectivity. Researched and recommended new technology to improve costly, dated or inefficient systems.

- Managed Data Center design, build-out and migration for midrange servers and mainframe z-Cloud solutions.
- Managed a client's remote office migration of 110 offices from Century Link to AT&T AVPN, also replaced WAN routers during the implementation.
- Generated cabling designs and worked with onsite vendors to request Cat 6 and fiber-optic cabling for interconnecting network hardware. Cabling requirements could be anywhere from within same rack or to another building. Also including power and heat dissipation requirements.
- Produced and maintained documentation (i.e., Build sheet and Visio diagrams) for managing connected devices and recording device names, serial numbers, and rack locations.
- Assist in creating and maintaining roadmaps for product lifecycles, including year-to-year budgets.
- Created detailed Run Book with Implementation Plan for major network changes, so solutions can be implemented in a controlled and concise manner.
- Gathered client requirements to scope new hardware and create Bill of Materials (BOMs).
- Published a Best Practices Guide for implementing IBM's PureFlex system (Hybrid cloud solution).

#### **Network Engineer**, 10/2008 – 06/2013

Served as Project/Design Engineer on the IBM/Gap account handling the design, planning, and implementation of global network infrastructure. Work extensively to translate client's business requirements into complex network designs/solutions. Major accomplishments:

- Designed and implemented the replacement of legacy wireless technology with Cisco's CAPWAP Wireless solution at five Distribution Centers.

**Network Engineer, 10/2008 – 06/2013 (Continued)**

- Implemented new WCS server for wireless management for all corporate locations. Continue to be administrator for this and a second WCS server for all Distribution Centers.
- Implemented redundant NAC Guest Servers for wireless guest access at numerous corporate and Distribution locations.

**ADDITIONAL RELEVANT EXPERIENCE****IBM Corporation, Cincinnati, Ohio Area - Remote****Network Engineer**

Project/Design Engineer on the Gap account responsible for budgeting, design, planning, and implementation of global network infrastructure. Worked with client to gathered network requirements for purposed projects. Developed and implemented ideas for improving performance or changing services to meet client's needs and/or lowering costs. Designed, estimated, and implemented the replacement of legacy wireless technology with Cisco's LWAP Wireless solution at three Distribution Centers. Engineered BCP solution for distribution division's Data Center which consisted of two totally diverse OC-3 WAN circuits. One into the Primary Data Center, the second into the backup Data Center located in a different building on the same campus. Implemented a tertiary core switch for Backup Data Center. Migrated Core Switches at all corporate locations from Cisco Cat OS to Cisco IOS (12-Catalyst 6500). Designed IP addressing schemes for all devices within worldwide Distribution division. Designed, estimated, and implemented End-of-Life hardware solution for clients' worldwide network, which resulted in reducing hardware costs by over 50% from \$1,172,000 to \$514,000.

**Gap Inc., Erlanger, KY****Network Engineer**

Designed, engineered, and implemented global network & systems solutions for enterprise, including technical infrastructures, topologies, voice/data integration, VPN, BCP, and Intranet. Responsibilities included cost estimates, systems design integration coordination, implementation management, project management for network initiatives, and quality assessment. Designed, engineered, managed, and implemented the network and technical infrastructure of 5 newly constructed distribution centers and office complexes within a 24-month period. Estimated and coordinated several multi-million-dollar projects to fulfill corporate business requirements. All within budget and all meeting deadlines.

**EDUCATION****Bachelor of Science (B.S.), Electronics Engineering Technology**

DeVry University-Lombard, IL

**Mechanical Engineering**

William Rainey Harper College-Palatine, IL

**CERTIFICATIONS**

Cisco Certified Network Associate, CCNA CSC010120744 expired

Six Sigma Green Belt, AT&T University

**TECHNICAL COMPETENCIES****LAN/WAN Technologies**

Cisco Nexus Series Switches (NXOS) | Cisco ACI | Cisco Catalyst L2 and L3 switches | Cisco Unified Wireless Networks | QoS | VoIP | VXLAN | DNS | DHCP | IPAM | Infoblox Grid Manager | Load Balancing | Protocol Analyzers-Wild Packets EtherPeek AiroPeek and Sniffer | AirMagnet | Structured cabling specifications and standards  
Cisco ISR and ASR series routers | DMVPN | MPLS | AVPN | Cloud | ATM | OC-3 | OC-12 | DS3 and T1 | QoS | MetroEthernet | GigaMAN

**Protocols**

TCP/IP | EIGRP | BGP | RIP | IPSEC | VRF | VSS | HSRP | STP | VTP | SIP | CAPWAP | LWAPP

**Security**

TACACS+ | NAC | IPsec | VPN | Cisco IOS based Firewalls