

Armani Chang

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SUMMARY

Dedicated Sr. Network Infrastructure Engineer with over 10 years of experience optimizing networks for enterprise-level environments. Expertise encompasses cloud networking, including Azure and AWS, while mastering protocols like BGP and OSPF. Proven capability in creating network diagrams and documentation effectively supports design and planning efforts. Equipped with a robust understanding of software-defined networking (SDN) alongside automation processes enhancing efficiency and reliability. Skilled collaborator who effectively partners with stakeholders to align objectives with technical execution, ensuring business goals are met comprehensively.

EXPERIENCE

Senior Network Engineer

January 2021 - Present

Tech Solutions Group

Chicago, IL

Manage network engineering operations within an enterprise environment, focusing on performance and integration of highly available secure networks. Lead standardized methodologies promoting innovative techniques adapting network deployments that foster business agility.

- Implemented optimized routing strategies using BGP and OSPF, improving connectivity across multiple branches.
- Developed comprehensive documentation practices that increased operational compliance and knowledge sharing within teams.
- Streamlined monitoring systems through automation, significantly reducing manual oversight with network operations.
- Collaborated with cross-functional teams, creating key performance indicators (KPIs) that enhanced response times by 25%; enabled proactive network management.
- Mentored junior staff members through hands-on training sessions on emerging technologies, building organizational resilience & expertise.
- Led initiatives focused on integrating cloud solutions into existing infrastructure, aligning technical capabilities with strategic objectives.

Network Engineer

March 2016 - December 2020

Global Network Systems

Peoria, IL

Engineered effective network infrastructures that supported increasing user needs at a high-capacity data center. Ensured smooth transitions during upgrades and implementations to promote infrastructure improvements.

- Contributed towards the successful deployment of Cisco IOS and NXOS systems to diversify network topologies.
- Drafted network-related documents increasing focus on clarity when collaborating across multiple communication channels.
- Actively partook in vendor assessment discussions, identifying valuable asset offerings that resulted in cost-saving strategies.
- Facilitated Azure onboarding processes, enhancing scalability and network flexibility aimed at business growth.
- Conducted periodic training workshops to boost team proficiency with dynamic network monitoring tools, fostering a culture of continuous improvement.
- Explored innovative solutions ensuring alignment of technological capacity with business operations; streamlined data flow measurements.

Network Associate

June 2011 - February 2016

NextGen Data Solutions

Rockford, IL

Supported day-to-day network functionalities across various platforms while engaging in process enhancements. Tasked with documenting operational standards to standardize procedures and serve as reference material.

- Boosted network reliability by actively resolving outages through troubleshooting and systematic analysis of complex issues.
- Generated concise operational documents partnered closely with cross-functional stakeholders to reinforce agency-wide compliance.
- Spearheaded implementation of automated scripts leading the way for superior network monitoring and control, reducing clerical errors.
- Collaborated with security teams intertwining stringent policies into daily operations, cultivating areas of protective compliance.
- Participated in cross-departmental discussions focusing on how real-time network evaluation can foster informed strategic decision-making.
- Designed collaborative strategies harnessing cross-functional knowledge for expanded infrastructure capabilities.

LEADERSHIP & AWARDS

- Cisco Certified Network Professional (CCNP) - 2026
- Microsoft Certified: Azure Solutions Architect Expert - 2026

EDUCATION

Bachelor's Degree in Computer Science

2026

University of Illinois GPA: 3.8

Champaign, IL

Coursework: Data Structures, Networking, Database Management, Cloud Computing

CERTIFICATIONS

- Cisco Certified Network Professional (CCNP) 📅 2026
- Microsoft Certified: Azure Solutions Architect Expert 📅 2026

TECHNICAL SKILLS

- **Networking Technologies:** Cisco IOS, Cisco NXOS, Palo Alto Firewalls, F5 LTM
- **Cloud Platforms:** Microsoft Azure, Amazon AWS, Google GCP
- **Routing Protocols:** BGP, OSPF, EIGRP, RIP
- **Automation Tools:** Python, Ansible, Terraform
- **Collaboration Tools:** Slack, Microsoft Teams, Zoom
- **Monitoring Tools:** SolarWinds, PRTG, Nagios
- **Documentation Tools:** Visio, Lucidchart, Confluence
- **Standard Methodologies:** ITIL, Agile, DevOps
- **Security Technologies:** Cisco ISE, CrowdStrike, Palo Alto CORTEX
- **Virtualization Tech:** VMware, Hyper-V, Docker

SKILLS

- Network Engineering
- Cloud Networking
- SDN Concepts
- Documentation & Diagramming
- Automation & Scripting
- Security Protocols
- Performance Monitoring
- Routing Protocols
- Vendor Collaboration
- Wireless Networking
- Load Balancing
- Disaster Recovery
- Incident Response
- Business Alignment
- Process Optimization
- Stakeholder Engagement

PROFESSIONAL AFFILIATIONS

- Member of the IEEE Communications Society, contributing insights on network advancements.
- Active volunteer with local tech meetups, emphasizing knowledge sharing among engineering enthusiasts.

LANGUAGES

- English (Native)
- Spanish (Proficient)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST