

Alireza Masoom

Senior Network Engineer



CONTACTS

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ABOUT ME

Professional Summary: As a Cisco Network Engineer with over 15 years of extensive experience in data center operations, network systems, and security, I bring a wealth of knowledge and expertise to the table. I have a robust background in hyper scale data center design and deployments, as well as comprehensive experience in troubleshooting, analyzing, and solving complex network issues to ensure optimal performance.

Professional Experience: I have had the privilege of working for a renowned company in Iran, where I was responsible for traffic engineering and congestion management in LAN and data centers. My role encompassed the design and implementation of core networks and data centers, ensuring the highest standards of performance and reliability. My experience also extends to the network security field, where I have developed and implemented strategies to safeguard critical infrastructure.

LINKS

<https://www.linkedin.com/in/alireza-masoom461875158>

<https://alireza-masoom.com/>

WORK EXPERIENCE:

Director, Network Department and Senior Network Engineer(Data Center Specialist), Mar 2021 – Present - Informatics Services Corporation (ISC) – Tehran, Iran

• **Key Responsibilities:**

- Led and managed the network engineering team to achieve project goals and maintain network integrity.
- Oversaw network architecture design, implementation, and maintenance to ensure optimal performance and reliability.
- Developed and implemented strategic plans for network infrastructure enhancements and security improvements.
- Coordinated with cross-functional teams to integrate network solutions with overall IT strategies.
- Ensured compliance with industry standards, regulations, and best practices.
- Provided mentorship, training, and professional development opportunities to team members.
- Led the response to critical network incidents, ensuring swift resolution and stakeholder communication.

Key Achievements:

- Organized personnel into teams for improving overall operations in second-level support.
- Participated in complex network troubleshooting incidents as a second-level support engineer.
- Analyzed network-related single points of failure and proposed new designs to address problems.
- Reduced network downtimes through prompt changes with time constraints in mind.
- Analyzed reports from various operational networks and planned to address technical problems.
- Provided on-call support for ISC customers' critical networks.

Director - Network Engineer, Jan 2018 – Mar 2021
Informatics Services Corporation (ISC) – Tehran, Iran

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Key Responsibilities:

- Organized personnel into teams to improve overall operations in the Network Operation Center (NOC).
- Analyzed reports from various operational networks and planned to address technical problems.
- Planned centralized monitoring and analysis to address network incidents.
- Reduced response time to various network and security incidents as a member of the Incident Response Team.
- Prepared weekly reports regarding the status of the networks under control.
- Cooperated in response to various network security incidents.
- Addressed network problems and challenges to the Design Department with recommendations for improvement.
- Provided on-call support for ISC customers' critical networks.

Key Achievements:

- Enhanced the efficiency of the NOC through effective team organization.
- Improved network incident response times, significantly reducing downtime.
- Successfully addressed technical problems through thorough analysis and planning.
- Provided critical support for network security incidents, ensuring swift resolution.
- Developed and maintained comprehensive weekly network status reports.
- Recommended and implemented design improvements to tackle network challenges.
- Delivered reliable on-call support for critical networks.

Senior Network Engineer, Sep 2011 – Jan 2018
Informatics Services Corporation (ISC) – Tehran, Iran

Key Responsibilities:

- Configured and monitored the Inter-Bank network (GRE-IPsec site-to-site VPN).
- Addressed network problems and challenges, providing recommendations for improvement to the Design Department.
- Proposed and implemented a centralized OOB management network for over 200 network and security devices.
- Designed and implemented core banking data centers based on Cisco 6509 products.
- Implemented firewalls for Internet Banking systems of major customers.
- Monitored and managed the company campus area network routing, switching, and security infrastructure.
- Provided network support for 100 network and security devices.

- Applied network hardening best practices on Cisco routers, switches, and firewalls.
- Managed multiple incidents related to core banking networks.
- Documented various network configurations and troubleshooting steps.
- Provided on-call support for ISC customers' critical networks.
- Cooperated in the design process of three backup sites (hot standby sites).
- Implemented and troubleshooted a data center based on N7k family switches and unified fabric technologies.

Key Achievements:

- Successfully configured and monitored a critical inter-bank network, ensuring secure and reliable connections.
- Developed and proposed solutions that enhanced the overall network design and performance.
- Implemented a centralized management network, improving the efficiency of device management.
- Designed robust data centers, contributing to the seamless operation of core banking systems.
- Improved security measures for major customers' internet banking systems through effective firewall implementation.
- Enhanced the reliability and security of campus area networks by applying industry best practices.
- Played a critical role in managing core banking network incidents, ensuring minimal downtime.
- Contributed to the design and implementation of backup sites, enhancing disaster recovery capabilities.

Technical Instructor, MAY 2009 – September 2011 Informatics Services Corporation (ISC) – Tehran, Iran

Key Responsibilities:

- Taught Core Banking Software
- Cooperated in migration of Core Banking OS from OS2 Warp to Linux

Key Achievements:

- Trained more than 200 students to work in Branches

Technical Expert, April 2004 – MAY 2009 Informatics Services Corporation (ISC) – Tehran, Iran

Key Responsibilities:

- Supported LAN in Bank Branches
- Configured and troubleshooted Cisco Layer 2 Switches
- Configured and troubleshooted Cisco Routers
- Supported and Installed Servers in Banking Branches
- Worked with Hughes VSAT Systems

Tools & Frameworks:

PRTG, Solar winds, Manage Engine, What sup Gold, GNS3, EVE-NG, VMware

Education

Islamic Azad University, Central Tehran Branch

**Bachelor's degree of Computer Hardware Engineering
(1997 – 2002)**

Training

- CCNP (Route & Switch)
- CCNA
- CCNA Security
- Cisco Securing Network with ASA Fundamentals(SNAF)
- Cisco Data Center Unified Fabric(DCUFI)
- Cisco DCNI1(Certificate of completion)
- VMware ESXi5 (Certificate of completion)
- Linux LPIC1(Certificate of completion)
- CCNP and CCIE Enterprise Core (ENCOR 350-401)

Technical Proficiency:

Hardware

Cisco ASR, Cisco 2921/3945,

Cisco 4948E/3750X/3560X/2960, Cisco ASA, FWSM, IPS, MARS, Juniper SSG, Net screen, SRX, Cisco 6509, NAM

Software

Cisco Prime LMS, Cisco Security Manager, IPS Manager Express, ASDM, Manage engine Firewall & Log analyzer, IP Switch What sup, Solar winds, Secure ACS, Wireshark, PRTG, GNS3, EVE NG, VMware,

Networking

TCP/IP, GRE IPsec, VPC, GLBP, HSRP, NTP, RADIUS, OSPF, VRF, BGP,

Fabric path, MSTP, VSS, VDC, FC, Virtualization