Sophia Martinez

Network Test Engineer

CONTACT

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📍 New York, NY

EDUCATION

Bachelor of Science in Information Technology

New York University (NYU) | New York, NY | 2015

Certifications

- Cisco Certified Network Professional (CCNP) (2022)
- Certified Ethical Hacker (CEH) (2021)

Publications

- "Optimizing Network Performance Through Automated Testing". Published in the Journal of Network Engineering, 2023.

PROFESSIONAL SUMMARY

Network Test Engineer with experience in network infrastructure testing, performance analysis, and security validation. Strong knowledge of Cisco, Juniper, and cloud networking. Reduced network downtime by 35% through optimized testing protocols and automated troubleshooting scripts.

EXPERIENCE

Lead Network Test Engineer   2020 - Now

CyberLink Systems, New York, NY

- Design and execute comprehensive network test plans for enterprise infrastructure, reducing downtime by 35% and improving overall reliability.
- Lead security testing efforts, identifying and mitigating vulnerabilities to enhance compliance with industry standards (ISO 27001, NIST).
- Utilize Wireshark and TCPDump for deep packet inspection, diagnosing network bottlenecks and improving data flow efficiency.
- Develop Python-based automation scripts for network testing, reducing manual effort and increasing test coverage by 40%.

Network Test Engineer   2015 - 2020

BroadWave Solutions, Jersey City, NJ

- Conduct performance testing on SD-WAN solutions to ensure seamless cloud connectivity and low-latency data transmission.
- Work with Cisco and Juniper routers to validate firmware updates, ensuring stable network configurations.
- Assist in network failure analysis, troubleshooting complex Layer 2 and 3 networking issues.
- Collaborate with software engineers to integrate automated frameworks, streamlining testing procedures.

SKILLS

Skill	Rating
Network performance testing	★★★★★
Routing & switching (Cisco, Juniper)	★★★★★
Network security testing	★★★★★
Wireshark and packet analysis	★★★★★
Load balancing and firewall testing	★★★★★
SDN and cloud networking	★★★★★
VoIP and telecom testing	★★★★★