Job Postings (Related to Networking Alone)

1. https://www.totaljobs.com/job/junior-network-engineer/eightmoose-com-job105822324
2. https://www.totaljobs.com/job/cyber-security-apprentice/back-2-work-job105955144
3. https://www.totaljobs.com/job/c-developer/client-server-job105928178

Company Research

1. Eight Moose – Junior Network Engineer:

This is a role in a dedicated IT / networking organization (or at least a specialist in that space) offering exposure to infrastructure, routing, switching, firewall, etc.

Fit Assessment: Good for building foundational networking skills, though may be more generalist and less "cutting-edge security."

2. Back 2 Work – Cyber Security Apprentice:

The employer is an MSP (Managed Service Provider) looking to develop cyber security skills in-house, offering a hands-on entry point into threat detection, audits, incident response.

Fit Assessment: Strong match to shift into security, even from a lower starting level.

3. Client Server - Graduate C++ Developer (Cyber Security):

This is a more specialized software / security product company, building a core network/cybersecurity platform in C++, with work on protocols, analytics, etc.

Fit Assessment: High potential, but also higher expectations such as good grip in coding + networking knowledge. This is an ambitious but rewarding path.

Skills Gap Analysis Table

Skill	Importance	Level (0–5, min 4)	Gap
TCP/IP, DNS, DHCP, routing & switching	Essential for network & security roles	2	Practice more with simulators – Packet Tracer
Firewalls / Access Control / Security Devices	Especially for security roles	1	Learn firewall Basics and configure virtual firewall
Programming (C / C++)	Critical for the graduate dev + security job	2	Work through C++ tutorials, small projects & read code
Linux / UNIX systems	Many roles expect this	3	Gain shell experience
Network monitoring / Logging / SIEM tools	Needed in security / operations roles		Learn to use network monitoring tool - Wireshark
Incident response / security operations	Specifically for security roles	3	Do some case studies
Communication / Documentation	Soft but important	4	Practice with explaining complex ideas
Version Control / Software Development Practices	For development roles	3	Learn Continuous Integration basics
Certifications (e.g. CCNA, CompTIA Security+, etc.)	Helps evidence competency	1	Complete at least one certification

Action Plan to Develop Top 3 Skills:

Networking Fundamentals & Device Configuration:

- Practice more with network simulators - Packet Tracer & Learn routing (OSPF, BGP), switching, VLANs, subnetting, and core IP technologies.

C/C++ & Low-Level Programming

- Complete small projects: e.g. packet processing, simple parsers, algorithm implementations and Study open-source networking/security code.

Security Tools Knowledge & incident Response Skills

- Learn and use a network monitoring tool - Wireshark. Study incident response frameworks to understand security operations workflow.