Analysis of Job Advertisement for Cisco Wireless Network Engineer

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Abstract

This paper analyzes a job advertisement for a Wireless Network Engineer Position focusing on Cisco wireless systems. The analysis evaluates both the explicit criteria to be considered to the unstated skills that can be inferred by the language on the ad. This will demonstrate how the coursework can help infer untold skills and better prepare yourself for an interview. This approach shows the need to read between the lines on job postings to understand employer needs and wants to better tailor your application.

Analysis of Job Advertisements for Cisco Wireless Network Engineer

This paper analyzes job advertisements for a Wireless Connectivity Solutions position supporting Cisco wireless networks. The job posting not only outlines some explicit requirements like technical certifications and experience levels but also implies soft skills and expectations that show what the employer is seeking from their new hires. By closely looking at the text in the job posting this analysis reveals the company's priorities, the nature of the work, and why I would be a strong candidate for this role given my education and experience.

The overall role of this position is to "design, implement, and maintain Cisco wireless networks and support equipment installation projects in various areas of the country." It is positioned as a mid to entry level job that requires "Bachelor's Degree and 2+ years' experience in an IT related field; or 6+ years direct experience supporting Cisco network design." This flexibility suggests they are open to a range of candidates but want citable competence in network design and maintenance.

Main responsibilities include:

- "Design, upgrade, and maintain wireless Cisco networks"

- "Configure various Cisco network devices and services"

- "Oversee design, implementation and execution of the network security hardware/software maintenance and upgrades"

- "Protect data, software, and hardware by coordinating, planning, and implementing network security measures"

These duties make it clear that the role is technical but also proactive, requiring the engineer to design and secure networks, not just perform routine maintenance.

While Communication skills are mentioned repeatedly among the outline responsibilities, other soft skills can be implied. For example, time management is essential because the posting states the engineer must "manage multiple issues at the same time" and support installations "in various areas of the country" suggesting the need for quick responses and being able to take on multiple things and adapt to new environments quickly.

The company culture seems highly security and mission focused. The repeated mention of "network security measures," "DoD Secret Clearance," and "protect data, software, and hardware" reflects their work as government contracts which can be found in other places on their website. They also push for creative thinking and innovations stating "imagine innovative and effective new solutions."

Given these requirements additional skills like:

- Advanced troubleshooting skills (beyond CCNA)

- Experience with project management

- Familiar with security standards like NIST CSF and other governmental standards.

These are not explicit requirements but are probably good to have if you wanted your application to stand out.

The industry context is also very important when determining certain skills needed. The demand for secure wireless connectivity is growing across defense and government programs. This role directly supports that demand and also allows for "research and development projects in the wireless connectivity solutions area." Having skills in FCC radio like ham radio may help your

application as those certifications give the base knowledge for how wireless systems and radios

work.

I am drawn to this position because it aligns well with my interests in network engineering and

radio design and management. I think this position would give me good hands-on experience

with mission critical wireless systems and progress my career forward into electrical engineering

and radio engineering. My coursework in cybersecurity and cisco network engineering directly

prepare me for the challenges of this position. For example, my high school CCNA courses that

allowed me to take and pass my CCNA will help satisfy many of the requirements for this

application. My interest in radio design and amerature radio certification will also help satisfy

certain aspects of this job. The ad suggests challenges such as travel and managing multiple

projects but is encouraging because of the seemingly innovation minded leadership.

This job posting outlines a role that is a highly technical position that focuses on an ever rising

portion of the networking space. Reading between the lines reveals the company culture of a

veteran owned and operated, mission driven, and security minded. My academic background

and experience provides a strong match to these expectations making this role an exciting

opportunity to prove my training and knowledge in a real world setting.

References

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