

Cyber Careers

Security Pathways

Security Architect

The Work?

Can you think defensively? Can you think like a hacker, then put in place a way of stopping people getting in? The job of a security architect is to design systems for companies that are impossible to break into. You buy the equipment then secure it as best as possible in order to produce the most secure network possible.

Skills and Interests

- Good analytical skills
- Ability to work in a team
- Good Hardware knowledge
- Defensive thinker
- Understand of hacking techniques

Entry

A security architect will have good knowledge of computer networks and show good logical problem solving skills. Good knowledge of how to implement security protocols and how people attack networks is essential. Most architects come from a background of self interest, driving themselves to learn the newest techniques and technologies

Most companies will offer unpaid work experience to gauge aptitude before offering apprenticeships giving a practical understanding of the work involved. A degree in networking or related discipline is useful and can help however this is not essential.

Most Security Architects work as part of diverse teams with different specialties in order to make the most impact. the skills for this job require working as part of a close knit team, good social skills are essential.

Wages

generally between £50,000 - £70,000 per year

What they say:

"Security Architect is the best job in the world - I wouldn't want to do anything else! I design, build and implement complex and secure network and solutions, and the really cool part is that I get to spend my days thinking like a hacker - I must anticipate how and attacker would penetrate the networks I design and put in place effective Countermeasures to stop them

The days can be long, but it's a great feeling when all your hard work pays off."



Chris, Security Architect