

Employability skills analysis (cybersecurity)

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CerTHE skills for the work place, academic and employability skills

BMSW4001



What is cybersecurity

Cyber security is the practice of defending computers, servers, mobile devices, electronic systems, networks, and data from malicious attacks.



CyberSecurity Analyst responsibilities

- Monitor network and systems.
 - Uses SIEM tools for analyze real time security alerts on systems and devises to detect threats, breach, attacks or vulnerabilities.
 - keeps up to date with latest technology developments.
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- Test and evaluate security products.
 - Design new security systems or upgrade existing.
 - Spots weaknesses and apply security measures (firewalls or encryption)
 - Creates reports for different stakeholders (government or private)
 - Coordinates DDAT (digital, data and technology) to DPIAs (data protection impact assessments)
 - Gives advise and technical support to customers.

SWOT ANALYSIS

1. STRENGTHS

- **Communication skills**
- **Integrity skills**
- **Problem solving**
- **Computer skills**
- **Curiosity**

2. WEAKNESSES

- **Organizational skills (time management)**
- **Customer service skills**
- **Leadership**

SWOT ANALYSIS

3. OPPORTUNITIES

- **Salary growth**
- **learn different technical skill**
- **Become a director of cyber security
and Set up my own cyber security company**
- **Working as a independent cyber security
consultant**

4. THREATS

- **No choosing the right cybersecuriry path**

How to become CSA

- Initially you can start an CS profession without a degree by starting in an entry-level IT position.
- Other option is undertake an apprenticeship in CS, combining employment and study (apprenticeships are available in degree-level) for example Digital and technology solutions Degree Apprenticeship

Key information

Duration

30 months

Level 4 Top-Up

Apprentices progressing from a Level 4 Apprenticeship can fast-track and achieve within 22 months

Study modes

Online teaching, coaching, and workplace development

Qualifications Achieved

Bachelor of Science in Digital and Technology Solutions Professional awarded by BPP University

access to CS with a graduate position you may have a degree in computing science, technology, engineering or mathematics (STEM) subject

- **Computer science**
- **Computer programming**
- **Database management**
- **Computer hardware engineering**
- **Cloud computing**
- **Information security & Assurance**
- **Computer forensics**
- **Machine learning**
- **Network Administration**

However the best way to get in CYBERSECURITY with not experience is CompTIA A+ core Series, this certificate validates the skills the employer are looking for in a aspiring IT support professionals.

Also provides you with a baseline security skills to develop you future cybersecurity career.

Cyber security traineeship (CompTIA A+)

1. Courses and internal exam

recognize IT courses by CompTIA, Microsoft and Cisco.

2. Livelab

offers you the practical hands-on training necessary, imitates real world configurations

and you will obtain administrative access to the relevant devices giving you control to follow the

lab guides to configure specific technologies that are required for the CompTIA exams

3. CompTIA A+ Exams

**prepared for the official CompTIA A+ certifications
with the realization of mock tests until you are ready**

4. Cyber Security training + job placement

**place you into first IT technical support specialist role, while you
working on this position the final**

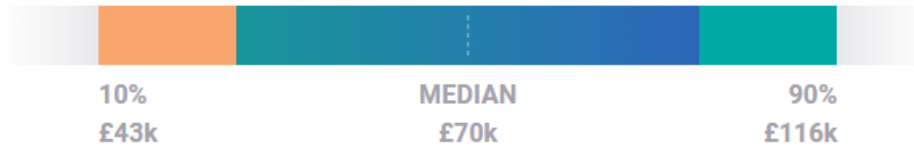
**training starts with is specifically designed to qualify you to move
in to the Cyber security**

**sector, on this last step you will be doing Cyber courses, livelab and
official CySA+ exams**

Senior security engineer and security architect

£70,000 / year ▼

Avg. Base Salary (GBP)



The average salary for a Security Architect, IT is £70,000

Base Salary ⓘ

£43k - £116k

Bonus

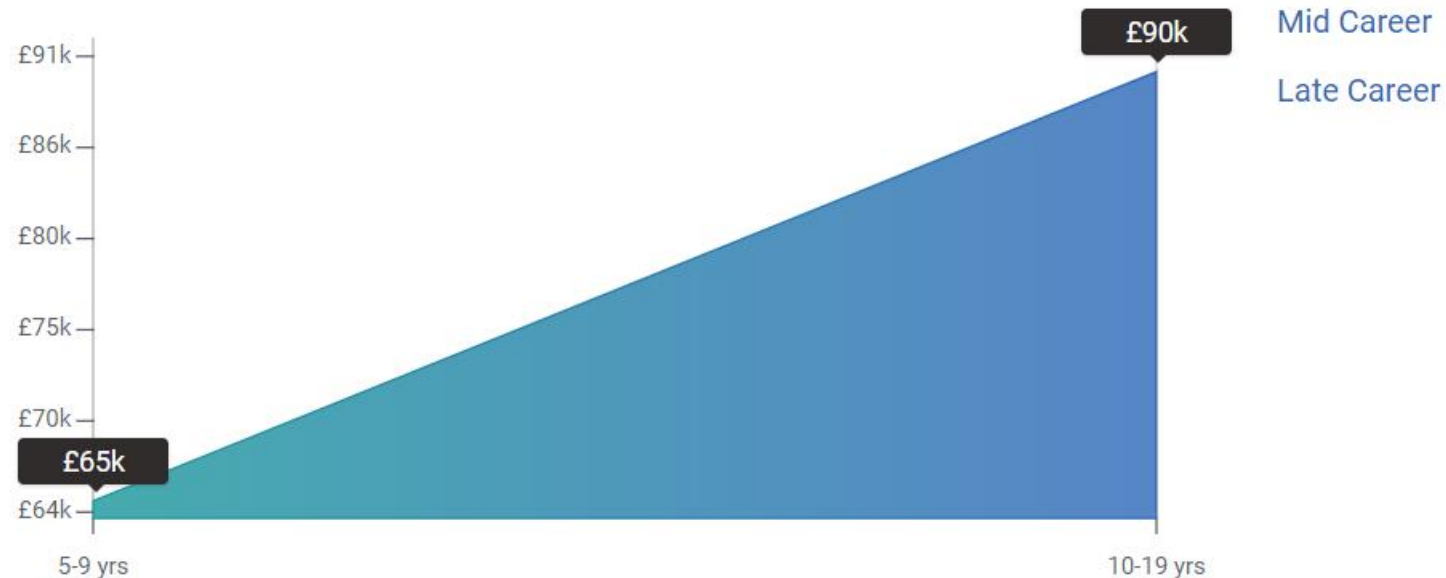
£6k - £18k

Total Pay ⓘ

£53k - £173k

Based on 14 salary profiles (last updated May 01 2022)

What is the Pay by Experience Level for Security Architect, ITS?



what qualifications do I need

- A bachelor's degree in computer security
- Master of Computer science in cybersecurity
- MS in Cybersecurity management

Responsibilities

- Responsible for the network and computer security of the company, he or she acts as a project leader planning, researching and designing tools of security, after everything is planned and ready to go the architect delegates tasks to a members of an assigned programming team to develop the modules necessary for the final security structure.
- Begins testing the final security structure to ensure it works as it planned
- Develops the company policies and procedures for how the company's employees will use the security systems

Any questions ?



Referencing list

- [What Skills Are Needed for a Job in Cyber Security? \(cambridgehealth.edu\)](#)
- [What skills does a cybersecurity professional need? \(theconversation.com\)](#)
- [Cyber Security Jobs in Login - 2022 | Indeed.com](#)
- [Cyber security analyst job profile | Prospects.ac.uk](#)
- [How to Choose a Cybersecurity Career Path \(securityintelligence.com\)](#)
- [NCSC-certified degrees - NCSC.GOV.UK](#)
- [CompTIA Cybersecurity Career Pathway](#)
- [How to Become a Security Architect \(Updated for 2022\) \(cybersecurityguide.org\)](#)
- [Security Architect, IT Salary in London, England: London | PayScale](#)
- [2 new messages \(itcareerswitch.co.uk\)](#)
- [cyber security and information assurance jobs - Search \(bing.com\)](#)
- [BSc Digital and Technology Solutions Professional Degree Apprenticeship \(DTS\) | Estio Training](#)