# IT SECURITY SPECIALIST

LOOKS FOR VULNERABILITIES IN SECURITY SYSTEMS, RESPONDING TO SUSPICIOUS NETWORK TRAFFIC

FUTURE GROWTH POTENTIAL IN THE LABOUR MARKET

High foreseen impact on social and technological change

Responsabilities include monitoring user access and activity, keeping an eye on security procedures among employees, protecting data from leaks and configuring networks

## **SKILLS REQUIRED**



### **Problem-solving**

Finding solutions to difficult or complex issue



### **Critical thinking**

Thinking clearly to undertstand the logical connection between ideas



### Data processing and analysis

Conversing data into understandable information



# **Computing and information technology**

Carrying out diverse tasks using different types of technology

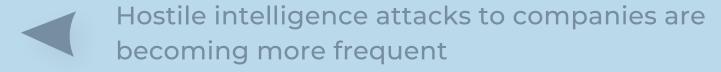
### LABOUR MARKET TRENDS



Companies may have to pay hefty fines if they do not sufficiently protect user data



Hacking attacks can bring huge losses to companies and compromise the market





### **EDUCATION & TRAINING**

**Certification on security systems** 

Higher education degree in computer science or specialised studies on cybersecurity or encryption

Good knowledge of English and programming skills

### **CHALLENGES AND OPPORTUNITIES**

At a time when information is currency, data protection is key for companies

Online security, law and technology are rapidly changing, so professionals need to keep up

The requirement for data protection has been made mandatory at EU level



Key areas
Technology





















Edited by Mindshift in Canva

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Education and Culture Executive Agency (EACEA). Neither the European Union nor EACEA can be held responsible for them.