



# CCR Technology Careers Session 1

Overview of jobs in tech and  
pathways to careers



# Table of Contents

3	Ice breaker	8	How to start training
4	Education	9	Brainstorm Session
5	Development Careers	10	Questions?
6	Data Careers		
7	Security Careers		

# What do you know about Information Technology?



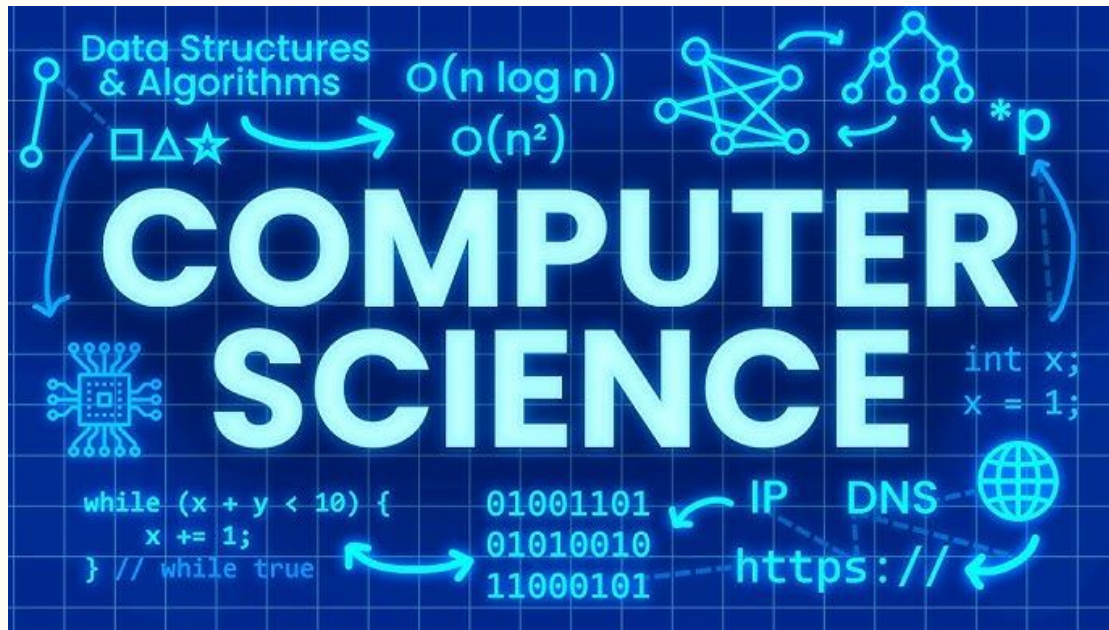
# What can you do in the Technology field?

There are plenty of unique roles in the world of technology. If you are interested in solving exciting problems, advancing technology, and creating a better world this is the field for you.



# What education is required for a job in technology?

These roles usually require a bachelors in Computer Science or Information Technology. Some roles can require a master's degree.



# Development Careers and Salaries

## Full-Stack Developer

Salary: \$85,000–\$130,000/year

Role: Develops both the front-end (user interface) and back-end (server-side) components of web applications.

## Mobile App Developer

Salary: \$90,000–\$140,000/year

Role: Creates apps for iOS and Android platforms.

## DevOps Engineer

Salary: \$95,000–\$140,000/year

Role: Bridges the gap between development and IT operations, focusing on CI/CD pipelines, automation, and system reliability.

# Data Careers and Salaries

## Data Analyst

Salary: \$60,000–\$90,000/year

Role: Collects, processes, and analyzes data to inform business decisions.

## Data Scientist

Salary: \$100,000–\$150,000/year

Role: Uses advanced analytics, machine learning, and statistical methods to extract insights from data.

## Database Administrator (DBA)

Salary: \$80,000–\$120,000/year

Role: Manages and maintains database systems, ensuring their performance, availability, and security.

# Security Careers and Salaries

## Cybersecurity Analyst

Salary: \$75,000–\$110,000/year

Role: Monitors and protects systems from cyber threats by analyzing vulnerabilities, responding to incidents, and implementing security measures.

## Penetration Tester (Ethical Hacker)

Salary: \$80,000–\$130,000/year

Role: Simulates cyberattacks to identify weaknesses in systems before malicious actors can exploit them.

## Security Architect

Salary: \$120,000–\$160,000/year

Role: Designs and implements robust security systems to protect organizational networks



# Let's get started

<https://tryhackme.com/>

<https://leetcode.com/>

<https://www.hackthebox.com/>



**HACKTHEBOX**



**Try  
Hack  
Me**



**LeetCode**

What career sounds  
most interesting to you?





**Questions?**