My Insights of running CTF contests in 7 arab countries

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About Me

• 13 years of Experience in Cybersecurity
• Founder of CyberTalents, a platform for running CTFs for cybersecurity talents in order to get hired by recruiters
• Founded the first Cybersecurity conference in Egypt "Cairo Security Camp"
Problem:
3 Million is the shortage of Cyber security Professionals Today

Asia Pacific: 2.15 Million
North America: 500,000
Europe, Middle East, Africa: 142,000
Latin America: 136,000
Solution

CTF is a very effective way to

- Discover talents
- Motivate beginners to get into Cybersecurity field
- Promote and recognize talents among their peers
Insights in this presentation are based on the below:

50+ CTF Contests

9,000 Talents

7 Arab Countries
CyberTalents CTFs
CyberTalents CTFs
Gender

88%  
Males

12%  
Females

Insight 1: Number of women in cybersecurity in Arab countries is less than average similar number in USA and Europe
<table>
<thead>
<tr>
<th>Age Range</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>18-24</td>
<td>47.6%</td>
</tr>
<tr>
<td>25-34</td>
<td>39.1%</td>
</tr>
<tr>
<td>35-44</td>
<td>13.3%</td>
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</tbody>
</table>

**Insight 2:** Students & Fresh graduates has the highest percentages of talents interested to join CTFs comes next talents till 7 years of experience.
Talent Heat Map by countries

36% Egypt
6.5% UAE
4.5% Morocco

4% Oman
??% Saudi Arabia

Insight 3: talents are directly proportional to the number of youth in addition to the activities by the country to promote cybersecurity
Insight 4: Web security has the highest number of talents adoption compared with Digital Forensics and Malware Analysis
General Challenges

Language Barrier

Ethichal Behaviour

Insights 5: Not all talents can work in corporate industry thats why models like bug bounty might be a good model for some talents
What's Next?

CTF for schools

Women in Cybersecurity CTFs

Bootcamps to boost the skills of contestants