Penetration Testing Career – JR to Specialist

Joas Antonio

Detalhes

- Esse pdf tem como objetivo apresentar os conhecimentos necessários para atuar como PenTester;
- Conhecimentos baseados na exigências do mercado de trabalho em muitas vagas;
- Utilizei vagas tanto aqui no Brasil como no Exterior;

- My Linkedin: https://www.linkedin.com/in/joas-antonio-dos-santos/

Details

- This pdf aims to present the necessary knowledge to act as PenTester;
- Knowledge based on the demands of the job market in many vacancies;
- I used vacancies both here in Brazil and abroad;

- My Linkedin: https://www.linkedin.com/in/joas-antonio-dos-santos/

PenTest JR

- Conhecimentos em padrões e politicas de segurança da informação (ISO 27001, LGPD/GDPR, PCI-DSS, HIPAA, NIST, FISMA e etc);
- Conhecimentos em metodologias de PenTest (OSSTMM, NIST, OWASP, Cyber Kill Chain, PTES, ISSAF e etc);
- Conhecimentos em Gestão de Riscos;
- Conhecimentos em Gestão e Analise de Vulnerabilidades;
- Conhecimentos em Ferramentas de PenTest;
- Conhecimentos em Linguagens de Programação (Ex: Python, Ruby, C, C#, GO, PHP, JavaScript e etc);
- Conhecimentos em sistemas operacionais e administração (Windows, Linux, MacOS, Scadas, Mobile / Shell Script, Powershell, CMD e etc...);
- Conhecimentos Fundamentais em Redes de Computadores ;
- Conhecimentos em Hardening e Mitigação de Riscos;
- Conhecimentos em PenTest em Aplicações Mobile, Web, Cloud, Redes e IoT;
- Conhecimentos em Black Box, White Box e Gray Box Testing;
- Auxiliar na elaboração de Relatórios Técnicos e Gerenciais;

PenTest JR - ENGLISH

- Knowledge of information security standards and policies (ISO 27001, LGPD / GDPR, PCI-DSS, HIPAA, NIST, FISMA and etc);
- Knowledge of PenTest methodologies (OSSTMM, NIST, OWASP, Cyber Kill Chain, PTES, ISSAF and etc);
- Knowledge in Risk Management;
- Knowledge in Management and Analysis of Vulnerabilities;
- Knowledge in PenTest Tools;
- Knowledge in Programming Languages (Ex: Python, Ruby, C, C #, GO, PHP, JavaScript and etc);
- Knowledge of operating systems and administration (Windows, Linux, MacOS, Scadas, Mobile / Shell Script, Powershell, CMD and etc ...);
- Fundamental Knowledge in Computer Networks;
- Knowledge in Hardening and Risk Mitigation;
- Knowledge in PenTest in Mobile Applications, Web, Cloud, Networks and IoT;
- Knowledge in Black Box, White Box and Gray Box Testing;
- Assist in the preparation of Technical and Management Reports;

PenTest PL

- Conhecimentos em padrões e politicas de segurança da informação (ISO 27001, LGPD/GDPR, PCI-DSS, HIPAA, NIST, FISMA e etc);
- Conhecimentos em metodologias de PenTest (OSSTMM, NIST, OWASP, Cyber Kill Chain, PTES, ISSAF e etc);
- Conhecimentos em Gestão de Riscos;
- Conhecimentos em Gestão e Analise de Vulnerabilidades;
- Conhecimentos em Ferramentas de PenTest (Best Tools);
- Conhecimentos em Linguagens de Programação (Ex: Python, Ruby, C, C#, GO, PHP, JavaScript e etc);
- Conhecimentos em sistemas operacionais e administração (Windows, Linux, MacOS, Scadas, Mobile / Shell Script, Powershell, CMD e etc...);
- Conhecimentos Fundamentais em Redes de Computadores ;
- Conhecimentos em Hardening e Mitigação de Riscos;

PenTest PL (CONT)

- Conhecimentos em PenTest em Aplicações Mobile, Web, Cloud, Redes e IoT;
- Conhecimentos em desenvolvimentos de Scripts e melhorias de ferramentas;
- Técnicas avançadas de PenTest, sem a utilização de ferramentas automatizadas;
- Desenvolvimento e elaboração de relatórios executivos e técnicos;
- Conhecimentos e experiência em PenTest Black Box, Gray Box e White Box;

PenTest PL - ENGLISH

- Knowledge of information security standards and policies (ISO 27001, LGPD / GDPR, PCI-DSS, HIPAA, NIST, FISMA and etc);
- Knowledge of PenTest methodologies (OSSTMM, NIST, OWASP, Cyber Kill Chain, PTES, ISSAF and etc);
- Knowledge in Risk Management;
- Knowledge in Management and Analysis of Vulnerabilities;
- Knowledge in PenTest Tools (Best Tools);
- Knowledge in Programming Languages (Ex: Python, Ruby, C, C #, GO, PHP, JavaScript and etc);
- Knowledge of operating systems and administration (Windows, Linux, MacOS, Scadas, Mobile / Shell Script, Powershell, CMD and etc ...);
- Fundamental Knowledge in Computer Networks;
- Knowledge in Hardening and Risk Mitigation;

PenTest PL (CONT) - ENGLISH

- Knowledge in PenTest in Mobile Applications, Web, Cloud, Networks and IoT;
- Knowledge in developing Scripts and improving tools;
- Advanced PenTest techniques, without using automated tools;
- Development and preparation of executive and technical reports;
- Knowledge and experience in PenTest Black Box, Gray Box and White Box;

PenTest SR AND SPECIALIST

- Conhecimentos em padrões e politicas de segurança da informação (ISO 27001, LGPD/GDPR, PCI-DSS, HIPAA, NIST, FISMA e etc);
- Conhecimentos em metodologias de PenTest (OSSTMM, NIST, OWASP, Cyber Kill Chain, PTES, ISSAF e etc);
- Conhecimentos em Gestão de Riscos;
- Conhecimentos em Gestão e Analise de Vulnerabilidades;
- Conhecimentos em Ferramentas de PenTest (Best Tools);
- Conhecimentos em Linguagens de Programação (Ex: Python, Ruby, C, C#, GO, PHP, JavaScript e etc);
- Conhecimentos em sistemas operacionais e administração (Windows, Linux, MacOS, Scadas, Mobile / Shell Script, Powershell, CMD e etc...);
- Conhecimentos em Hardening e Mitigação de Riscos;
- Conhecimentos em Arquitetura e Soluções de Segurança da Informação;
- Conhecimentos em PenTest em Aplicações Mobile, Web, Cloud, Redes e IoT;

PenTest SR AND SPECIALIST (CONT)

- Conhecimentos em desenvolvimentos de Scripts e melhorias de ferramentas;
- Técnicas avançadas de PenTest, métodos de exploração avançados e etc;
- Técnicas de Pós Exploração Avançado;
- Conhecimentos em Buffer Overflow e Desenvolvimento de Exploits;
- Conhecimentos em Mitre Att&ck and Advanced Persistent Threat (APTs);
- Desenvolvimento e elaboração de relatórios executivos e técnicos;

PenTest SR AND SPECIALIST - ENGLISH

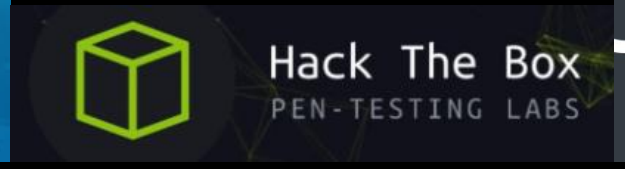
- Knowledge of information security standards and policies (ISO 27001, LGPD / GDPR, PCI-DSS, HIPAA, NIST, FISMA and etc);
- Knowledge of PenTest methodologies (OSSTMM, NIST, OWASP, Cyber Kill Chain, PTES, ISSAF and etc);
- Knowledge in Risk Management;
- Knowledge in Management and Analysis of Vulnerabilities;
- Knowledge in PenTest Tools (Best Tools);
- Knowledge in Programming Languages (Ex: Python, Ruby, C, C #, GO, PHP, JavaScript and etc);
- Knowledge of operating systems and administration (Windows, Linux, MacOS, Scadas, Mobile / Shell Script, Powershell, CMD and etc ...);
- Knowledge in Hardening and Risk Mitigation;
- Knowledge in Architecture and Information Security Solutions;
- Knowledge in PenTest in Mobile Applications, Web, Cloud, Networks and IoT;

PenTest SR AND SPECIALIST (CONT) – ENGLISH

- Knowledge in developing Scripts and improving tools;
- Advanced PenTest techniques, advanced exploration methods and etc;
- Advanced Post Exploration Techniques;
- Knowledge in Buffer Overflow and Development of Exploits;
- Knowledge in Miter Att & ck and Advanced Persistent Threat (APTs);
- Development and preparation of reports and technicians;

Skills Development - Labs

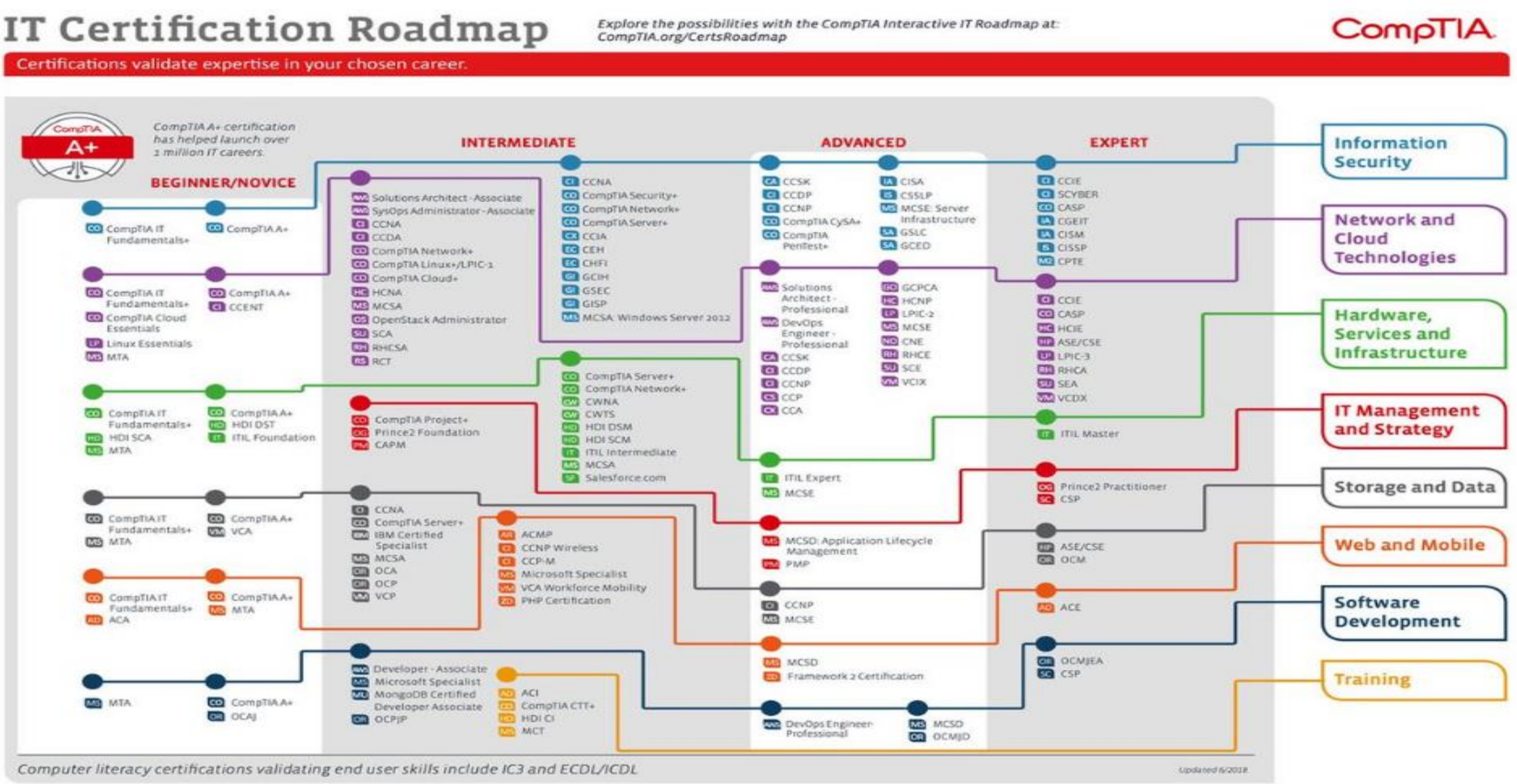
- Hackthebox;
- Vulnhub;
- Try Hack Me;



Skills Development - Certifications

- eLearnSecurity;
- EC-COUNCIL;
- Offensive Security;
- Sans;
- CompTIA;

Roadmap Certifications



Skills Development - Resources

- PenTest Toolkit (https://bit.ly/3fQSOTo)
- Red Team/PenTest Books (https://bit.ly/3ln0cqD)
- PenTest Study Guide (https://bit.ly/33yGXV0)

Skills Development – YouTube Channels

- STÖK (Fredrik Alexandersson)

https://lnkd.in/djwu5A6

- Red Team Village DC Red Team Village

https://lnkd.in/dDhcEa5

- InsiderPhD Katie Paxton-Fear

https://lnkd.in/duDph87

- Nahamsec Ben Sadeghipour

https://lnkd.in/drBQim3

- HackerOne

https://lnkd.in/d7QNQE8

- BugCrowd

https://lnkd.in/dAqbA84

- The Cyber Mentor Heath Adams

https://lnkd.in/dbYCM5Q

- John Hammond John H.

https://lnkd.in/dAp3xJM

Skills Development – Youtube Channels

- Codingo Michael S.

https://lnkd.in/dpEsrEk

- HackerSploit HackerSploit

https://lnkd.in/dGXwDkX

- LiveOverflow

https://lnkd.in/dTWHXSD

- IPPSec

https://lnkd.in/deCU5YZ

- S4vitar Marcelo Vázquez (Spanish Content)

https://lnkd.in/dMjbPft

- Zigoo Ebrahim Hegazy (Arabic)

https://lnkd.in/dgQTeuG

Skills Development – Youtube Channels

- ACADI-TI

https://www.youtube.com/channel/UCi8P9S-PW7AF71g8Pi0W6Jw

- Michael LaSalvia

https://www.youtube.com/user/genxweb

- Wraiith

https://www.youtube.com/user/Wraiith75

- Bsides

https://www.youtube.com/channel/UCVImyGhRATNFGPmJfxaq1dw

- Vinicius Vieira

https://www.youtube.com/channel/UCySphP8k4rv7Jf-7v3baWIA

Skills Development – Youtube Channels

- Kindred

https://www.youtube.com/channel/UCwTH3RkRCIE35RJ16Nh8V8Q

- Bug Bounty Public Disclosure

https://www.youtube.com/channel/UCNRM4GH-SD85WCSqeSb4xUA

- https://www.youtube.com/channel/UCxHzA-Z97sjfK3OISjkbMCQ (RoadSec)
- https://www.youtube.com/channel/UC2QgCedRNj_tLDrGWSM3GsQ (Mindthesec)
- https://www.youtube.com/channel/UCz1PsqIhim7PUqQfuXmD-Bw (Hackaflag)
- https://www.youtube.com/user/BlackHatOfficialYT (Blackhat)

Skills Development – Youtube Channels

- https://www.youtube.com/channel/UCqGONXW1ORgz5Y4qK-0JdkQ (Joe Grand)
- https://www.youtube.com/user/DEFCONConference (Defcon)
- https://www.youtube.com/channel/UC4dxXZQq-ofAadUWbqhoceQ (DeviantOllam)
- https://www.youtube.com/channel/UC3s0BtrBJpwNDaflRSoiieQ (Hak5)
- https://www.youtube.com/channel/UCimS6P854cQ23j6c_xst7EQ (Hacker Warehouse)
- https://www.youtube.com/channel/UCe8j61ABYDuPTdtjItD2veA (OWASP)
- https://www.youtube.com/channel/UC42VsoDtra5hMiXZSsD6eGg/featured (The Modern Rogue)
- https://www.youtube.com/channel/UC3S8vxwRfqLBdIhgRlDRVzw (Stack Mashing)

Skills Development – Youtube Channels

- https://www.youtube.com/channel/UCW6MNdOsqv2E9AjQkv9we7A (PwnFunction)
- https://www.youtube.com/channel/UCUB9vOGEUpw7IKJRoR4PK-A (Murmus CTF)
- https://www.youtube.com/channel/UCND1KVdVt8A580SjdaS4cZg (Colin Hardy)
- https://www.youtube.com/user/GynvaelEN (GynvaelEN)
- https://www.youtube.com/channel/UCBcljXmuXPok9kT_VGA3adg (Robert Baruch)
- https://www.youtube.com/channel/UCGISJ8ZHkmIv1CaoHovK-Xw (/DEV/NULL)
- https://www.youtube.com/channel/UCDbNNYUME_pgocqarSjfNGw (Kacper)
- https://www.youtube.com/channel/UCdNLW93OyL4lTav1pbKbyaQ (Mentorable)

Skills Development – Youtube Channels

- https://www.youtube.com/channel/UCMACXuWd2w6_IEGog744UaA (Derek Rook)
- https://www.youtube.com/channel/UCFvueUEWRfQ9qT9UmHCw_og (Prof. Joas Antonio)
- https://www.youtube.com/user/ricardolongatto (Ricardo Longatto)
- https://www.youtube.com/user/daybsonbruno (XTREME Security)
- https://www.youtube.com/user/eduardoamaral07 (Facil Tech)
- https://www.youtube.com/channel/UC70YG2WHVxlOJRng4v-CIFQ (Gabriel Pato)
- https://www.youtube.com/user/Diolinux (Diolinux)
- https://www.youtube.com/user/greatscottlab (Great Scott!)
- https://www.youtube.com/user/esecuritytv (eSecurity)
- https://www.youtube.com/channel/UCzWPaANpPISEE_xvJm8lqHA (Cybrary)
- https://www.youtube.com/user/DanielDonda (Daniel Donda)
- https://www.youtube.com/user/ZetaTwo (Calle Svensson)
- https://www.youtube.com/channel/UCNKUSu4TPk979JzMeKDXiwQ (Georgia Wedman)
- https://www.youtube.com/channel/UCqDLY9WFoJWqrhycW8cbv1Q (Manoel T)