



Fábio Baptista

Cyber Security Specialist

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Summary

Passionate about technology, with a strong focus on programming and cybersecurity. In my free time, I sharpen my skills through penetration testing and Capture The Flag (CTF) challenges. Outside the tech world, I enjoy playing soccer with friends. My goal is to become a Security Architect, to help organizations protect their ecosystems while working with cutting-edge and security technologies.

Work Experience

Cyber Security Specialist

03/2025 -

Vodafone

Present

- Systems and Network Architecture.

IT Security Consultant

06/2023 -

Capgemini - Telecommunication Client

01/2025

- Monitored and investigated security incidents as part of an MDR team, enhancing incident response.
- Evaluated cybersecurity solutions, including EPP, EDR, XDR, email security, and password management.
- Led internal phishing campaigns, boosting security awareness across the organization.
- Led and implemented Keeper Password Manager and AnyDesk, increasing security and operational efficiency.
- Administered critical security tools like Darktrace and KnowBe4, ensuring system security and optimization.

Research engineer - Full Stack Developer

02/2022 -

ESTG - Institute of Leiria

06/2023

- Developed a web app for intelligent road signs using Vue.js and Laravel.
- Integrated Google Maps API aligning with Intelligent Transport Systems goals.
- Conducted security framework studies and penetration testing methodologies.
- Devised an application protection plan based on OWASP TOP 10 standards.
- Executed penetration testing using PTES methodology and OWASP WSTG checklist.

Web Developer

01/2018 -

Avalibérica

06/2018

- Resolved system bugs, enhancing software stability and performance.
- Updated mobile access API, improving connectivity and user experience.
- Developed Android mobile application using Java, optimizing functionality and user engagement.
- Migrated website frontend from Laravel to Play framework, enhancing efficiency and scalability.
- Implemented new website interface, improving user interaction and design aesthetics.

Education

Master's degree in Cybersecurity and Digital Forensics

09/2021 -

ESTG - Institute of Leiria

04/2024

- Theses: Smart Sign Web Application
- Analysis forensics
- Security of networks and computers
- Information security policy
- Risk analysis
- Offensive and defensive cybersecurity
- Management and analysis of security reports

Bachelor's degree in Computer Engineering

09/2018 -

ESTG - Institute of Leiria

06/2021

- Programming languages: C, Java, C#, Python, PHP, JavaScript & SQL.
- Mathematical concepts: discrete math, linear algebra, probability theory.
- Diverse projects covering software development, artificial intelligence, database management, system design, and network programming.

Professional Higher Technician in Computer Systems Programming

09/2016 -

ESTG - Institute of Leiria

06/2018

- Foundational knowledge in programming languages such as C, Java, PHP, and JavaScript.
- Proficiency in essential programming concepts and techniques, laying the groundwork for my journey in software development.

Projects

Performing a pentest on a real target

- Conducted a comprehensive pentest assessment focusing on network configurations and website vulnerabilities.
- Employed onsite testing procedures with strict adherence to confidentiality agreements. Identified and documented vulnerabilities in wireless networks, device enumeration, and website security.

- Provided actionable recommendations to enhance organizational security measures.
- Collaborated effectively with stakeholders to ensure project objectives were met.

Kubernetes: Installation and configuration

- Installation and configuration of the Kubernetes container orchestration system.
- Configuration is oriented towards administration and security, addressing topics such as clustering, container management, logging, auditing, and authentication.

Analysis of a SIEM System: Elastic Stack

- Implementation of a SIEM solution using the Elastic Stack.
- Multiple tests were conducted to showcase its significance in enhancing cybersecurity measures.
- Comprehensive analysis was performed using RapidMiner software and Microsoft PowerBI, providing deeper insights into the effectiveness and functionality of the implemented solution.

Comparative Study: Analysis of SIEM Systems

- Conducted a comparative analysis of four essential cybersecurity tools: Splunk Free, OSSIM, Securonix, and ELK Stack.
- Evaluating their features, capabilities, and suitability for different organizational needs.
- Provided valuable insights into the strengths and weaknesses of each tool.

Smart Sign Web Application

- Application serves the purpose of managing road signs and Roadside Units (RSUs) for placement in various locations.
- Leveraging the Google Maps API, users can efficiently interact with geographical data.
- Developed using PHP with the Laravel framework and JavaScript with the Vue.js framework.

Certifications

Google Cybersecurity Certification

From Google

Certified in Cybersecurity (CC)

From ISC2

ISO 27001 Cybersecurity Manager Guidelines

From Udemmy

Hacking Web Applications & Penetration Testing

From Udemmy

Languages

Portuguese - Native or Bilingual Proficiency.

English - Full Professional Proficiency.

German - Limited Working Proficiency.