William Costa

SOFTWARE DEVELOPER & ENGINEER • OFFENSIVE SECURITY PRACTICIONER

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AREAS OF EXPERTISE

Knowledge Areas — Penetration Testing Tools | Information Security Basics | OWASP Top Ten | Web Application Vulnerabilities | Scripting | Reporting | Networking Basics

Technical Skills — Python | Bash | Powershell | SQL | Burp Suite | Outsystems | Linux

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PROFESSIONAL EXPERIENCE

Software Engineer, Capgemini - Open Cascade | Lisbon — October 2023 - Present

Revamping a legacy app's infrastructure from Airflow to a proprietary system with Zookeeper and Kafka.

- Responsible for the migration of a legacy application's infrastructure to a proprietary solution using Zookeeper and Kafka, reducing resource consumption by 10%.

Developer and Support Technician, Ceger | Lisbon — August 2022 - October 2023

Developed and supported government portals, utilizing technologies such as Outsystems, C#, and Python

- Responsible for five government portals, including a nationwide application for Portugal. Successfully implemented strategies to maintain active user licenses below 1,000 while ensuring nationwide participation. Developed and maintained tools for user management using technologies such as Outsystems, C#, JavaScript, Odoo, Python, and PowerShell.

Network and Application Security School Project, Nova SST | Lisbon — February 2020 - July 2020

Developed secure protocol for UDP streaming, remote storage, and distributed architecture to enhance security.

- Created a secure protocol that ensures secrecy, integrity, and authentication for UDP-based real-time media streaming;
- Developed a secure remote file storage system with authentication, access control, and encrypted communication that was controlled and coordinated by a main dispatcher at the central level for optimal module integration.

Teacher's Assistant, Nova SST | Lisbon — January 2019 - January 2020

In charge of classes, assessments and projects for around 200 students.

- Responsible for planning practical classes for Python and SQL and, preparing and grading 2 projects and 3 assessments for around 200 students.

EDUCATION

☒ **Bug Bounty Hunter**, Hack The Box — Online

☒ **Jr. Penetration Tester Learning Path**, Try Hack Me — Online

Junior Soft-Skills Trainer, YTA — Vilnius - Lithuania

Erasmus Computer Science and Engineering, Brno University of Technology — Brno - Czech Republic

M.Sc. in Computer Science and Engineering, Nova SST — Lisbon - Portugal