Eusebiu Boghici

Bucharest – LinkedIn/eusebiu-boghici

Experience

- **Software Engineer**
  Pentest-Tools.com
  Jun 2018 – Present

  - Software Developer
    Languages: Python, PHP, bash
    Projects: URL Fuzzer, Website Scanner

  - DevOps
    Technologies: Docker, Bitbucket Pipelines, Grafana
    Responsibilities: Code deployment, Infrastructure Management

  - Pentester
    Technologies: Burp Suite, nmap, wfuzz, sqlmap
    Responsibilities: Contributed to external pentests, Assess the security of the infrastructure and code. Played CTF contests

  - Team Lead
    Responsibilities: Lead of the DevOps team, Architecture Review

  Participated at security conferences - BlackHat EU, Defcamp

Education

- **Master of Engineering - Computer and Information Systems**
  Faculty of Automatic Control and Computers
  University POLITEHNICA of Bucharest
  2019 – 2021
  Master Thesis: Developing an automated website vulnerability scanner
  Main courses: Network Security Auditing, Security of Informational Systems, Security of Mobile Devices, Cybersecurity Incidents Management, Privacy Enhancing Technologies

- **Bachelor's degree**
  Faculty of Automatic Control and Computers
  University POLITEHNICA of Bucharest
  2015 – 2019
  Main courses: Operating Systems, Local Networks, Data Structures and Algorithms, OOP (Java), Assembly Languages Basics

- "Grigore Moisil" High school, Onesti, Bacau

  2011 – 2015
  Science profile – Mathematics and Computer Science

Certificates

- **Offensive Security Certified Professional (OSCP)**
  Dec 2021 - OS-101-54214

Projects

- School homework:
  - Mini-Kermit: implemented in C a simplified protocol derived from Kermit (an old computer file transfer protocol) which made possible a reliable transfer of files between two processes even with an unreliable transfer medium
  - Unix-like File System: implemented in Java of commands in a terminal (adduser, deluser, cd, mkdir, rm, cat, writetofile) using Factory and Visitor design pattern
  - HTTP Proxy: implemented in C a proxy for browser for HTTP/1.0 version and a caching system
- City Fabric:
  - part of **Innovation Labs** 2018
  - we offer support on optimizing **traffic infrastructure** in large cities by implementing smart traffic lights, finding public transportation optimal routes, choosing optimal lane direction by traffic flow

- **Programming languages**: Python, PHP, C, Java, Shell scripting, x86 assembly

Extracurricular activities

- Teaching assistant at **Security Summer School 2021**
  - I contributed to web vulnerability course materials and taught technical aspects related to Cross-Site Scripting and SQL Injection
- **Security Summer School 2017**
  - I learnt what it means to discover, successfully exploit and patch a software vulnerability. I took part in both Capture the Flag contests where I had to use the acquired information (static/dynamic analysis, buffer overflow, shellcode injection, return oriented programming) to solve the challenges.
- Member of **Microsoft Student Partners UPB**
  - My academic interest here during my first year, as a junior was strengthening my OOP knowledge in C#.

Competitions

- Innovation Labs 2018
- BESTEM 2017 – Microsoft Challenge

Interests

- I like to find out exactly how things work to make the most use out of them
- Security and privacy are extremely important for me so I tried to learn more about the protocols in place, their efficiency and their faults; I learned about WEP cracking, identity spoofing, packet sniffing and other ways to help me understand more about possible vulnerabilities nowadays