

Hiring software engineer as easy as calling a taxi.

# Mykola M

## Penetration Tester/Application Security Engineer

### SUMMARY

- Experienced software engineer with a strong background in computer science and a master's degree in Computer Science from the National Technical University.
- Proficient in multiple programming languages including Python, PHP, C#, C/C++, Java, and JavaScript.
- Skilled in web and mobile security, with expertise in conducting vulnerability assessments, penetration testing, and security code review.
- Familiar with industry-standard security tools such as Burp Suite, Nessus, OpenVas, nmap, and Metasploit.
- Knowledgeable in methodologies, principles, and patterns of software development, including SDLC and software development best practices.
- Strong problem-solving and analytical skills, demonstrated through the ability to identify and exploit vulnerabilities and develop custom payloads.
- Excellent communication and collaboration skills, working effectively within cross-functional teams and producing comprehensive reports based on findings.

### SKILLS

<b>Main Technical Skills</b>	Penetration testing
<b>Programming Languages</b>	C, C#, C++, Java, JavaScript, PHP, Python
<b>Industry Domain Experience</b>	Information Security
<b>QA, Test Automation, Security</b>	Acunetix, AFL Service Solutions, Armitage, Burp Suite, dnSpy/iISpy, Fiddler, Fuzzing, Ghidra, libFuzzer, Metasploit, Mobile Security, MobSF, MSTG, Nessus, Network Scanning, Nikto, Nmap, OpenVas, pwntools, Security Code Review, Security Source Code Review, Threat Modeling, Vulnerability Assessment, web application security, Web Security, Wireshark, Yara
<b>Scripting and Command Line Interfaces</b>	Bash
<b>Virtualization, Containers and Orchestration</b>	Docker
<b>Version Control</b>	Git

<b>Deployment, CI/CD &amp; Administration</b>	Jenkins, Sonarqube
<b>Operating Systems</b>	Linux, Windows

## WORK EXPERIENCE

### Penetration Tester, Penetration Testing (NDA)

**Duration:** 08/2021 - present

**Summary:**

- Perform vulnerability assessment, penetration testing (infrastructure and web), and security code review
- Collaborate with the team on threat modeling
- Use the OWASP WSTG and ASVS checklists
- Perform manual penetration testing of web applications and network scanning
- Write reports based on findings

**Responsibilities:** Perform vulnerability assessment, penetration testing, security code review, collaborate on threat modeling, manual penetration testing, write reports

**Technologies:** Burp Suite, Nessus, OpenVas, nmap, nikto, nuklei, Linux

### Information Security Specialist, Information Security (NDA)

**Duration:** 08/2020 - 08/2021

**Summary:**

- Perform vulnerability assessment, penetration testing (infrastructure and web), and security code review
- Work closely with the blue team to fix security issues
- Plan and perform emulation of external and internal attacks against bank infrastructure
- Collaborate with the team on threat modeling
- Perform manual penetration testing of web applications and network scanning
- Write reports based on findings
- Define security requirements for mobile applications and infrastructure
- Create custom undetectable payloads to get a reverse shell

**Responsibilities:** Perform vulnerability assessment, penetration testing, security code review, collaborate on threat modeling, manual penetration testing, write reports, define security requirements, create custom payloads

**Technologies:** Burp Suite, Acunetix, MobSF, Nessus, OpenVas, nmap, nikto, nuklei, metasploit, armitage, Linux, Windows

### Security Researcher, NDA

**Duration:** 04/2018 - 08/2020



## Summary:

- PoC exploits for CVE, research how to backport security patches, backport security patches to PHP interpreter
- Research functionality of signing packages and found a bug with the verification of signatures with RPM

**Responsibilities:** Develop PoC exploits, research backporting security patches, backport security patches, research package signing functionality, bug fixing

**Technologies:** Python, Jenkins, rpm specs, Bash, C, SonarQube

## EDUCATION

- **Master degree in Computer science**  
National Technical University  
06/2020 – 12/2021
- **Bachelor degree in Computer science**  
National Technical University  
09/2018 – 06/2020
- **Junior software engineer**  
olytechnic College  
09/2014 – 06/2018

## CERTIFICATION

- **Hacktory Web Security Professional**
- **CompTIA Pentest+ (Ethical Hacking) Course & Practice Exam**
- **TryHackMe Web Fundamentals**
- **Tryhackme SOC (Level 1) Finished PMAT from TCM Security Academy**

