

# Yordan Stoychev

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Passionate security researcher driven by the desire for improvement and the chase for knowledge. Always ready to deep dive into any code base and research alike. Experienced in analysing and exploiting complex vulnerabilities. Strong desire to work and collaborate with others and learn from experienced professionals.

## EXPERIENCE

### **PricewaterhouseCoopers Bulgaria** – *Penetration Tester*

**Associate** | April 2024 – Present

**Intern** | September 2023 – March 2024

- Familiarised myself with a wide range of targets.
- Gained experience working on engagements alone and as a part of a team.

## ACHIEVEMENTS

### **First place in Cyber Security Challenge Bulgaria 2024**

Finishing first place out of all players competing

### **First place in Cyber Security Challenge Bulgaria 2023**

Finishing first place out of the junior players competing and second out of all players

## ARTICLES

### **Conquering the memory through io\_uring – Analysis of CVE-2023-2598**

<https://anatomic.rip/cve-2023-2598/>  
[https://github.com/ysanatomic/io\\_uring\\_LPE-CVE-2023-2598/](https://github.com/ysanatomic/io_uring_LPE-CVE-2023-2598/)

### **Conquering a Use-After-Free in nf\_tables: Detailed Analysis and Exploitation of CVE-2022-32250**

<https://anatomic.rip/cve-2022-32250/>  
<https://github.com/ysanatomic/CVE-2022-32250-LPE/>

## **Abusing RCU callbacks with a Use-After-Free read to defeat KASLR**

[https://anatomic.rip/abusing\\_rcu\\_callbacks\\_to\\_defeat\\_kaslr/](https://anatomic.rip/abusing_rcu_callbacks_to_defeat_kaslr/)

## **CVE-2022-1015: A validation flaw in Netfilter leading to Local Privilege Escalation**

<https://anatomic.rip/cve-2022-1015/>  
<https://github.com/ysanatomic/CVE-2022-1015/>

## **Dissecting the Linux Firewall: Introduction to Netfilter's nf\_tables**

[https://anatomic.rip/netfilter\\_nf\\_tables/](https://anatomic.rip/netfilter_nf_tables/)

## **TECHNICAL SKILLS**

Skilled in binary exploitation and reverse engineering.

Strong background in C and Python.

Experienced with x86 and ARM Assembly.

Knowledgeable on the inner workings of the Linux kernel.

Proficient in web exploitation.

## **AWARDS AND HONOURS**

### **First Bulgarian National Cyber Security Team**

Awarded by the Minister of e-Government on the 19th of December 2023

## **TALKS**

### **Ghetto Superstar - BSides Sofia 2024**

A talk on state-of-the-art Linux rootkits, stealth and evading EDR/XDR.  
Complete evasion of Wazuh in the live demo.

## **CERTIFICATES**

### **Burp Suite Certified Practitioner**

EF22FD5EBBC5F0D0 - Issued in March 2024

## EXTRA-CURRICULAR ACTIVITIES

### **Part of the Bulgarian National Cyber Security Team**

Represented Bulgaria at the 2023 European Cyber Security Challenge

To represent Bulgaria at the 2024 European Cyber Security Challenge

Bulgaria's nomination for Team Europe 2024

### **Competing in CTFs with "Perperikon"**

Competing weekly in CTFs

Ranked number 1 in Bulgaria on CTFtime, top 50 globally.

## EDUCATION

### **Mathematics and Informatics, High School of Mathematics "Dr Petar Beron", Varna**

September 2018 - May 2023