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## Salah Chafai

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### Summary

Cybersecurity enthusiast with a strong foundation in computer networks and hands-on experience setting up network infrastructure. Skilled in low-level programming, reverse engineering, and exploit development, with expertise in binary analysis and securing complex software systems. Proficient in C, C++, C#, and Java, with experience building large-scale software projects. Experienced in leading teams, collaborating effectively, and creating tools that solve complex technical challenges.

### Experience

#### Securinets

Tunis, Tunisia

#### Technical Instructor

2023 – Present

- Authored original Pwn and Reverse Engineering CTF challenges, engaging 400+ participants per event.
- Delivered hands-on workshops on binary exploitation, training students from 10+ universities in practical pwn and RE techniques.
- Developed and maintained fully containerized, load-resilient challenge infrastructure, delivering uninterrupted 100% uptime across all competition periods.

#### MyDriveID

Remote

#### Web Security Engineer

October 2025 – December 2025

- Built a secure web application for recruitment, implementing encrypted storage for applicant documents and robust OAuth-based authentication.
- Developed employer dashboards for reviewing applications, allocating tasks, and tracking work time, enhancing operational efficiency.
- Strengthened system security by enforcing access controls, secure API interactions, and end-to-end encryption, reducing risk of unauthorized data access.

#### Phantom Penguin

Remote

#### Lead Game Developer

November 2020 – 2022

- Led a cross-functional team of 6 developers to deliver 5+ desktop and mobile game titles from concept to release.
- Coordinated task allocation and conducted structured code reviews, increasing team productivity by ~40%
- Stabilized release builds through systematic testing and pre-release triage, achieving 100% on-time deliveries

### Education

#### National Institute of Applied Science and Technology (INSAT)

Tunis, Tunisia

National Engineering Diploma in Computer Networks and Telecommunications

Relevant Coursework: Operating Systems & Virtualization, Embedded & Real-Time Systems, High-Speed Networks & Mobile Protocols, Ethical Hacking & Cybersecurity

### Skills & Interests

- **Technical Skills**
  - Programming & Scripting:** C/C++, Python, Bash/Shell, SQL, Assembly
  - Systems & Networking:** Windows/Linux admin, Docker, VirtualBox, CI/CD basics, network virtualization
  - Cybersecurity Tools:** GDB, IDA Pro, Ghidra, Binary Ninja, X64dbg, DnSpy, Angr, Wireshark, Nmap, Burp Suite, Metasploit, Netcat, Aircrack-ng, APKTool, Cheat Engine
- **Languages:** English (fluent), Arabic (native), French (basic), Spanish (basic)

### Achievements

- **Discovered and reported CVE-2025-57052** - a critical out-of-bounds access vulnerability in cJSON.
- **Blackhat** - Qualified for finals by ranking top 15 globally.
- **CSAW** - Qualified for finals by ranking top 4 in the MENA region and top 10 internationally.
- **ASCW** - Qualified for finals by ranking among the top 10 teams in a highly competitive environment.