

Padraig Marks



Cybersecurity Researcher

 <https://github.com/giardap>

 padraigm27@gmail.com

 (201)-889-2128

Work Experience

Freelance Developer

Remote
January 2025–Present

Guardian Asset Management

2300 Lincoln Hwy., Suite 700,
Langhorne, PA
June 2024–January 2025

Castle Billiards

349 Rt. 17 South, East Rutherford, NJ
June 2021–June 2024

Jim Dandy's

102 Park Ave, East Rutherford, NJ
August 2018–Sept. 2021

Education

Computer Science
Bergen Community College
Paramus, New Jersey
August 2022

Activities/Interests

Billiards
Coding
Foodie
Music
Travel
Fashion

Freelance Developer

Since January 2025, I've been working as a freelance developer in the Solana ecosystem, building custom trading tools, automation scripts, and backend services tailored for on-chain token creation and DeFi workflows. My work involves integrating with platforms like pump.fun and Tensor, developing RESTful APIs, and writing efficient code for interacting with Solana RPC nodes. While primarily focused on backend development in Python and Rust, I also build minimal React interfaces to manage tools and visualize on-chain data.

Contractor

Worked as an independent contractor for Guardian Asset Management, performing property preservation, eviction support, and general inspections on behalf of mortgage servicing companies such as Aspen Grove. Responsibilities included securing vacant properties, documenting property conditions through detailed reports and photographs, handling debris removal, performing minor repairs, and ensuring compliance with HUD and investor guidelines. Regularly conducted occupancy checks, initial inspections, and follow-ups to maintain property standards during foreclosure and post-eviction processes.

Manager

Oversaw daily operations of a busy pool hall and bar, managing a team and ensuring smooth business performance. This role helped sharpen my leadership, multitasking, and conflict-resolution skills, all transferable to team-oriented tech environments.

Manager

Led restaurant operations, staffing, and inventory management. Gained experience under pressure while improving my ability to adapt and problem-solve in fast-paced, high-stakes environments—skills that directly translate to cybersecurity incident response.

Professional Summary

As an independent cybersecurity researcher, I explore and analyze vulnerabilities in software systems and consumer platforms, with a strong focus on hands-on experimentation and responsible disclosure. My work includes discovering and documenting critical flaws in real-world applications such as Ring and Mercari, including an exploit in Ring's referral system that enabled unlimited device rewards. I've developed custom iOS jailbreak tweaks to test mobile security boundaries, conducted in-depth vulnerability assessments and penetration tests in lab environments, and actively contributed to online security communities by publishing technical write-ups and sharing knowledge to advance collective research efforts.

Technical Skills

Python
Java
Penetration Testing
Exploit Research
Security Analysis
Vulnerability Assessment
Networking
Reverse Engineering
Linux & iOS

Personal Skills

Leadership
Independent
Determined
Personable
Social Skills
Problem Solver
Cross-Team Collaboration
Project Manager

References available upon request.