ABDULLA

"FURYWOLF"

Low-Level & Security Researcher | Programmer

GitHub: github.com/xxFURYWOLFxx | Discord: FURYWOLF

PROFESSIONAL SUMMARY

Self-taught security researcher and low-level systems developer with 10,000+ hours of hands-on coding and research experience. Specializes in Windows internals, reverse engineering, kernel-mode development, and secure system architecture. Proven track record of developing high-performance applications, security tools, and conducting advanced security research. Strong background in penetration testing, vulnerability assessments, and security audits. Demonstrated ability to work independently and deliver production-ready solutions from concept to deployment.

TECHNICAL EXPERTISE

Systems Programming
C++, C, Assembly (MASM, x86-64)

Scripting & Automation
Python, Lua, Shell scripting

Network Analysis
Wireshark, packet analysis, protocol analyzers

Web Technologies
JavaScript, PHP, HTML5/CSS3, TypeScript

Reverse Engineering
IDA Pro, x64dbg, WinDbg, Ghidra, Binary Ninja

Security Testing
Custom exploitation frameworks, fuzzing tools

Core Specializations

- Offensive Tooling: Custom exploitation frameworks, security research tooling, dynamic instrumentation
- Kernel Engineering: Ring-0 development, driver architecture, Windows internals, system call hooking
- Cryptographic Systems: Protocol design, encrypted communication, secure authentication systems
- Full-Stack Development: React / Next.js, TypeScript APIs, Node.js backends, production deployment
- Binary Instrumentation: Runtime hooking, patching, tracing, dynamic analysis of native binaries
- Reverse Engineering: Static/dynamic malware analysis, PE format analysis, unpacking techniques

PUBLIC PROJECTS

inline_syscall **(7 Stars | 1 Fork)**
Advanced syscall implementation that resolves syscall IDs dynamically at runtime using PE parsing to avoid runtime memory patching. Written in modern C++ with MASM integration.
github.com/xxFURYWOLFxx/inline_syscall

DX11-Capture-screen **(5 Stars)**
High-performance GPU-accelerated screen capture using DirectX11. Overcomes GDI performance limitations, following monitor refresh rates for optimal performance.
github.com/xxFURYWOLFxx/DX11-Capture-screen

kstd - Kernel STL
Implementation of STL C++ classes in Kernel Environment with modifications, enabling standard library usage in kernel-mode development.
github.com/xxFURYWOLFxx/kstd

PRIVATE SECURITY RESEARCH

Due to the sensitive nature of security research, detailed information cannot be publicly disclosed. Research areas include:

- Enterprise Database Authentication System (full-stack with encrypted C++ backend)
- Windows Security Research Tools (kernel-mode components, debugging utilities)
- Kernel-mode security research and driver development
- Advanced malware analysis and reverse engineering techniques
- Binary exploitation and memory corruption research

- System call interception, anti-debugging, and secure protocol implementation

EXPERIENCE & LEARNING JOURNEY

2025

Security & Kernel Development

- Deepened expertise in security research and kernel development
- Advanced skills in Windows internals, security analysis, and low-level systems
- Expanded knowledge in vulnerability research and defensive security

2024

Kernel Development & Advanced C++

- Began learning kernel development and Windows internals
- Advanced C++ with focus on system-level programming
- Explored driver development and system call mechanisms

2023

Advanced C++ Development

- Intensive C++ learning: advanced concepts, memory management, optimization
- Built projects demonstrating proficiency in systems programming

2022

The Beginning — Age 16

- Started programming journey at age 16
- Began with Lua scripting, transitioned to C++
- Dove deep into systems programming fundamentals

PROFESSIONAL QUALITIES

- **Self-Directed Learning:** 10,000+ hours of independent study, development, and research
- **Full-Stack Capability:** Complete project lifecycle from design to deployment
- **Security-First Mindset:** All projects designed with security best practices
- **Performance-Oriented:** Efficient, optimized solutions for critical applications
- **Ethical Standards:** Responsible disclosure and ethical security research