

Gustavo Widman

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EDUCATION

INTELI (Institute of Technology and Leadership)

Bachelor of Computer Engineering

São Paulo, SP

Dec 2026

- Specialized in Project Based Learning (PBL) with corporate partners
- Led university cybersecurity club as President focusing on leadership
- Maintained focus on engineering performance-critical and secure systems

TECHNICAL SKILLS

- **Kernel & Systems Programming:** Rust, C/C++, Reverse Engineering, Binary Exploitation, Linux Fundamentals
- **Infrastructure & Automation:** Nix/NixOS, Docker, Kubernetes, GitHub Actions, WireGuard
- **Security & Hardening:** Linux Hardening, Network Penetration Testing, Red Teaming, ISO 27001 Compliance
- **Languages & Frameworks:** Go, Python, TypeScript, .NET/C#, Java
- **Database & Storage:** PostgreSQL, SQLite, SQLx (Rust), Database Optimization

PROFESSIONAL EXPERIENCE

CamelSec

Chief Technology Officer (CTO)

Remote

Apr 2025 – Dec 2025

- Architected reproducible infrastructure using **NixOS** to eliminate configuration drift
- Deployed secure internal networks with **WireGuard** for client data isolation
- Led multiple pentesting operations identifying critical enterprise system vulnerabilities
- Implemented automated compliance checks aligned with **ISO 27001** standards

EchoSec (Cybersecurity League)

Counselor

São Paulo, SP

Mar 2023 – Present

- Mentored 20+ members in **binary exploitation** and Linux fundamentals
- Organized university **CTF** competitions to advance offensive security skills
- Served as Counselor providing technical guidance on secure system architecture

MW APP

Full Stack Software Developer

São Paulo, SP

Jan 2021 – Apr 2025

- Developed full-stack features using **React** and TypeScript for enterprise web apps
- Architected scalable backend services using **.NET** and C# across five years
- Optimized data-heavy applications with **Python** and FastAPI for high performance

KEY PROJECTS

based-kernel (Rust)

GitHub

- Developed a minimal kernel implementation in Rust targeting systems programming research

nix (Nix)

GitHub

- Architected comprehensive Nix configurations for reproducible and immutable system environments

syncr (Rust)

GitHub

- Implemented a high-performance file synchronization tool utilizing Rust's memory safety

udp-impl (Rust)

GitHub

- Built a custom User Datagram Protocol implementation focused on network stack internals