

Gustavo Widman

São Paulo, Brasil | gustavo@example.com | +55 (11) 98765-4321 | linkedin.com/in/gustavo-widman | github.com/GustavoWidman | guswid.com

EDUCATION

INTELI (Institute of Technology and Leadership) <i>Bachelor of Computer Engineering</i> <ul style="list-style-type: none">Specialized in Project Based Learning (PBL) with corporate partnersLed university cybersecurity club as President focusing on leadershipMaintained focus on engineering performance-critical and secure systems	São Paulo, SP Dec 2026
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TECHNICAL SKILLS

<ul style="list-style-type: none">Kernel & Systems Programming: Rust, C/C++, Reverse Engineering, Binary Exploitation, Linux FundamentalsInfrastructure & Automation: Nix/NixOS, Docker, Kubernetes, GitHub Actions, WireGuardSecurity & Hardening: Linux Hardening, Network Penetration Testing, Red Teaming, ISO 27001 ComplianceLanguages & Frameworks: Go, Python, TypeScript, .NET/C#, JavaDatabase & Storage: PostgreSQL, SQLite, SQLx (Rust), Database Optimization	
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PROFESSIONAL EXPERIENCE

CamelSec <i>Chief Technology Officer (CTO)</i> <ul style="list-style-type: none">Architected reproducible infrastructure using NixOS to eliminate configuration driftDeployed secure internal networks with WireGuard for client data isolationLed multiple pentesting operations identifying critical enterprise system vulnerabilitiesImplemented automated compliance checks aligned with ISO 27001 standards	Remote Apr 2025 – Dec 2025
EchoSec (Cybersecurity League) <i>Counselor</i> <ul style="list-style-type: none">Mentored 20+ members in binary exploitation and Linux fundamentalsOrganized university CTF competitions to advance offensive security skillsServed as Counselor providing technical guidance on secure system architecture	São Paulo, SP Mar 2023 – Present
MW APP <i>Full Stack Software Developer</i> <ul style="list-style-type: none">Developed full-stack features using React and TypeScript for enterprise web appsArchitected scalable backend services using .NET and C# across five yearsOptimized data-heavy applications with Python and FastAPI for high performance	São Paulo, SP Jan 2021 – Apr 2025

KEY PROJECTS

based-kernel (Rust) <ul style="list-style-type: none">Developed a minimal kernel implementation in Rust targeting systems programming research	GitHub
nix (Nix) <ul style="list-style-type: none">Architected comprehensive Nix configurations for reproducible and immutable system environments	GitHub
syncr (Rust) <ul style="list-style-type: none">Implemented a high-performance file synchronization tool utilizing Rust's memory safety	GitHub
udp-impl (Rust) <ul style="list-style-type: none">Built a custom User Datagram Protocol implementation focused on network stack internals	GitHub