Alexander Chwojewski

Senior Software Developer • Gameplay Programmer • Technical Lead

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Summary. Senior Software Developer, gameplay programmer, and technical lead with 5+ years of experience. Specialized in backend development, infrastructure modernization, and leading engineering teams.

Key Skills

- Programming languages: Python, JavaScript/TypeScript, HLSL/GLSL, Nim, Ruby, C/C++, C#, Perl, Pascal, PHP, SQL
- Frameworks & tools: Flask, Django, React, Svelte, Ruby on Rails, Unity3D, Unreal Engine
- Databases & cloud: MySQL, MariaDB, AWS, Azure, Docker
- Networking & systems: eBPF/XDP, firewall design, DDoS analysis

Experience

Sysworld Servicios S.A. Argentina. *January 2023 — Present. Tech Leader.* Led the Technology area and built a complete IT team. Redesigned operational infrastructure and migrated critical services from VBScript to a modern Python (Flask) and Svelte architecture. Led development of Argentina's primary certified email platform, contributing across front-end and back-end. Managed AWS infrastructure.

Evolved Hosting Spain. *December 2019 — August 2021. Software Engineer.* Developed the main website and a connection validation system backed by a custom firewall. Implemented internal tools to automate operational tasks for the network analysis team, improving traffic inspection efficiency and anomaly detection.

RoozServers Spain. *December 2019 — August 2021. Software Engineer.* Built internal systems for virtual machine management on Proxmox VE and contributed to the main website. Designed specialized firewalls using eBPF/XDP and libpcap. Performed reading, classification, and analysis of malicious traffic, including DDoS attacks.

Projects

hiddenote. A simple encrypted notepad application built with Python and PyQt6.
https://github.com/alexchwoj/hiddenote

cuarzo-legacy. Medium-level programming language for building x86 software on Linux.
https://github.com/alexchwoj/cuarzo-legacy

pawn-easing-functions. Animation system using easing equations.
https://github.com/alexchwoj/pawn-easing-functions

samp-firewall. Whitelist-based firewall with authentication system.
https://github.com/alexchwoj/samp-firewall

cookie-exploit. SA-MP authentication process exploit ("server full exploit").
https://github.com/alexchwoj/samp-cookie-exploit

samp-reverse-proxy. Firewall for San Andreas Multiplayer servers enabling multi-node integration via protocol authorization.
https://github.com/alexchwoj/samp-reverse-proxy

route-tracing. GPS-style route tracing system using path finding.
https://github.com/alexchwoj/route-tracing

samp-rce-fix. Fix for the RCE vulnerability found in previous SA-MP R5 client versions.
https://github.com/alexchwoj/samp-rce-fix

Education

Teclab Instituto Técnico Superior Buenos Aires, AR. *March 2023 — November 2025.* Higher Technician in Information Security. Graduated November 2025.

Languages

- Spanish: Native
- English: B2 (Upper Intermediate)

Last updated 4 December 2025.