Stefy Lanza

Freelance Developer & Systems Hacker — Reverse Engineering · AI/GPU Infrastructure · Linux Systems

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PROFILE

Senior systems engineer and developer with 25+ years shipping production Linux, from bare metal and firmware to the browser. Co-founder of Devuan, the systemd-free Debian fork, and author of its Amprolla package-repository infrastructure.

Two specialisms set this work apart. The first is clean-room reverse engineering: implementing undocumented protocols from black-box packet capture alone — most recently a four-platform Bigscreen VR remote-desktop agent built entirely from network observation. The second is self-hosted AI and GPU infrastructure: local multimodal model orchestration across NVIDIA, AMD and Intel hardware behind OpenAI-compatible APIs, multi-provider brokering, and agent/MCP tooling.

Equally comfortable owning a product end to end or being the specialist called in when a closed protocol, a stubborn daemon, or a model that must run on your own hardware is blocking everything else.

CORE SKILLS

Languages — C, C++, Python, Elixir/Erlang, TypeScript/JavaScript, Go, Kotlin, PHP, shell, Assembly, Verilog

Systems — Linux internals, Debian & Devuan (sysvinit and beyond), distribution and package infrastructure, server hardening, monitoring, networking and traffic shaping, Docker/Podman, TOR

Reverse engineering — clean-room protocol implementation from packet capture, TLS interception and instrumentation, binary/DLL injection, interoperable client development

AI & GPU — local model orchestration, OpenAI-compatible API servers, multimodal inference pipelines, CUDA/Vulkan compute, multi-provider routing/brokering, agent frameworks, Model Context Protocol (MCP) tooling, RAG and semantic corpora

VoIP & telephony — Asterisk, SIP infrastructure, media/voice systems (25 years)

Embedded & hardware — Microchip PIC and Atmel AVR microcontrollers, Arduino, ESP32/ESP8266 firmware in C, PCB design and hardware bring-up, Raspberry Pi and BeagleBone, MQTT, industrial I/O, home automation, laser/CNC tooling

Media & vision — streaming and 360°/VR video, OBS, GPU video generation and processing, OpenCV, ZoneMinder, face and licence-plate recognition

Security & privacy — privacy-by-design platforms, consent workflows, secure content delivery, system hardening

SELECTED CURRENT WORK — NEXLAB (2024–PRESENT)

Founder & Developer. AI, automation and agent-infrastructure lab focused on self-hosted, privacy-conscious systems.

Flagship

- **CoderAI** — multimodal local model orchestrator. Runs every class of model on your own GPUs behind a drop-in OpenAI-compatible API, across NVIDIA, AMD and Intel. Python, CUDA/Vulkan. Live.
- **bsdrX — Bigscreen Remote Desktop** — clean-room remote-desktop agent for Bigscreen VR, reverse-engineered entirely from network captures, with feature parity across Linux, Windows, macOS and Android. C. Live.
- **AISBF (AI Should Be Free)** — a unified API in front of every major AI provider, with routing, marketplace, Studio and wallet. Python, TOR, published to PyPI. Live, hosted free.
- **shottino** — native C/ncurses terminal client for grappa-irc, a REST-first always-on IRC bouncer.

AI, media & systems

- **videogen** — GPU-accelerated video generation: text-to-video, image-to-video, video-to-video, frame interpolation, upscaling, subtitling and dubbing. Python.
- **Motus** (motus.click) — AI video reel editor and creator: turns one idea into a ready-to-post short video or reel (script, footage, voice-over, animated captions, music), with a review/edit studio and publishing or scheduling to 12 social

networks. Renders on CoderAI or any major AI provider; reusable on-screen characters with consent-gated voice cloning; Stripe/PayPal and self-hosted on-chain crypto billing. Python/FastAPI, React/TypeScript. Live SaaS.

- **bsc** — TLS traffic instrumentation: hooks nine TLS stacks, injects a monitoring DLL and captures per-connection PCAP; runs under Wine. C.
- **wsssh** — universal tunneling system for secure remote access across multiple transports.
- **olproxy** — Ollama-compatible API that drives web chatbots via Playwright. Python.
- **digesta** (private) — RAG and cognitive legal framework over a deduplicated, semantically queryable corpus of Italian case law: retrieval, reasoning and trajectory prediction on real case files, built for LLM-assisted legal work.
- **fasti** (private) — queryable registry of professionals enrolled in the Italian albi/ordini.

The Lisa agent ecosystem

Self-hosted AI assistant and the agent infrastructure around it — much of it authored autonomously by the agents themselves.

- **hermes-node-gateway** — routes between the Hermes/Lisa agent and its device nodes
- **hermes-node-agent** — the core agent runtime
- **hermes-node-android / openclaw-android-node** — agent nodes for Android (Kotlin)
- **hermes-node-chrome** — Chrome extension letting the agent drive the browser
- **hermes-3tier-mempalace-memory** — rolling local memory plus a MemPalace long-term store
- **clawphone** — centralised job-queue MCP server coordinating multiple agents. FastAPI, Redis/SQLite
- **MCP server fleet** — 24 curated Model Context Protocol servers giving agents live structured access to space and sky data, weather and environment, transport and logistics, policy and government records, OSINT and security, and research corpora

mbetter suite

mbetterd — hardened Python daemon with secure web dashboard and REST API for internet-exposed Linux servers. **mbetterc** — cross-platform multimedia client. **mbetterlivecd** — custom Debian live-ISO builder with autologin, automated install and USB tooling.

PROFESSIONAL EXPERIENCE

Founder & Developer — SexHackMe · South Africa · 2018–present

Privacy-focused adult content technology platform built around user security and consent. Components include vidai (multi-process SaaS-style AI image/video analysis), airtanscropt (audio transcription with speaker diarization, Qwen2.5-Omni/Whisper), shmcamstudio (open multi-cam studio toolkit), fetprivacy and shmchromeext (Chrome extensions), and a private platform core with a daemon automating multiple sites and socials.

Co-Owner & Consultant — Unixmedia · Italy / South Africa · 2014–present

Technology consultancy in Linux media servers, security, VoIP and home automation. Built DomotikApp, Penguidom, Elettra and Paradox-MQTT; delivered Raspberry Pi and BeagleBone automation for residential and technical environments.

Co-Founder & Developer — Devuan · Global · 2014–2017

Co-founded the systemd-free Debian fork. Developed Amprolla, Devuan's package-management and repository infrastructure, and contributed to build SDKs and early distribution engineering.

Developer — Cape Town Day Zero Project · South Africa · 2017–2019

Borehole automation and control systems during Cape Town's water crisis; custom Linux control systems for resource management under acute constraint.

Consultant — Nexlab · Italy · 2008–2014

Linux systems administration, security and Asterisk VoIP for media and telephony clients; custom server solutions for television media systems.

Lead Developer — Skylive Project · Italy · 2008–2014

Led SkyliveNG and SKYPROMEGA for remote telescope control across a network of remotely operated telescopes. Major 2012 upgrade; collaborated with UAI on M51 and NGC5128 imaging.

Developer — ZoneMinder · Global · 2008–2009

Early plugin integrating OpenCV for face and licence-plate recognition, with home-automation hooks into surveillance workflows.

System Administrator — Deram S.r.l. / Nexlab · Italy · 2004–2008

Linux servers, security and Asterisk VoIP infrastructure for telephony and media-server deployments.

System Administrator — I-M-C S.r.l. · Milan, Italy · 2000–2003

Enterprise Linux administration; Asterisk VoIP implementation, system security and performance.

Developer — Musicolandia · Italy · 1995–1998

Built one of Italy's early MP3 e-commerce platforms in Linux and PHP; SIAE CD-ROM solutions for music distribution.

OTHER OPEN-SOURCE WORK

Rasky — open-source Raspberry Pi KVM-over-IP · **Osso / mOsso** — I/O expansion boards for Raspberry Pi and BeagleBone · **claude-ircbot** — minimal Python IRC bridge for Claude Code sessions, stdlib only · **awesome-tunneling** — curated list of self-hostable ngrok/Cloudflare-Tunnel alternatives · plus a long tail of firmware, laser/CNC tooling, WordPress plugins and home-automation daemons.

EDUCATION

Self-taught programmer and systems administrator, 1980s–present. Began on VIC-20 and Commodore 64 in BASIC and Assembly; moved into Linux and Debian administration and open-source development from the mid-1990s. Continuous self-directed work across Python, C/C++, AI/GPU infrastructure, embedded systems and VR.

Known online as nextime. Advocate for free software and for LGBTQAI+ visibility and transgender rights in tech.