

Marcos Jaen

AI Engineer – Agentic Systems & Developer Tooling

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SUMMARY

AI Engineer focused on LLM-integrated applications, MCP-based agent tooling, and open-source developer platforms. Built public TypeScript, Rust, Go, and Python tools across CLIs, security gateways, browser automation, and local-first knowledge systems.

PROJECTS

opencode-studio | *TypeScript, Next.js, React, MCP*

- Built a local configuration GUI for OpenCode to manage MCP servers, skills, plugins, agents, authentication profiles, usage dashboards, GitHub sync, and backup/restore.
- Published the web application and server package, reaching 661 GitHub stars and over 16.2k total npm downloads.

bansho | *Go, MCP, RBAC, Security*

- Built a Go MCP security gateway that secures tool servers with API-key authentication, role-based access control, Redis rate limiting, and PostgreSQL audit logging.
- Implemented fail-closed policy enforcement, filtered tool discovery, an audit dashboard/API, and validation flows covering 401/403/429/200 outcomes.

kagi-cli | *Rust, CLI, Search, Structured Output*

- Developed a Rust CLI for Kagi Search, Assistant, summarization, feeds, and account settings, with JSON-first output for shell scripts and agent workflows.
- Implemented guided authentication, structured output modes, documentation, and multi-channel distribution, reaching 121 GitHub stars and 5,150 npm downloads.

gitquarry | *Rust, GitHub API, CLI, JSON*

- Developed a Rust CLI for GitHub repository research with native search, explicit discovery/reranking, README-aware inspection, and remote tree/code lookup.
- Published releases across npm, native binaries, Homebrew, Scoop, AUR, and Nix, backed by documentation, CI smoke checks, and benchmarked search guidance.

traccia | *Python, Knowledge Graphs, LLMs, Local-First*

- Developed a local-first Python CLI that turns mixed personal archives into evidence-backed skill graphs with provenance, timestamps, confidence, recency, and depth signals.
- Implemented adapters for Google Takeout, Twitter/X, Reddit, and Meta-style exports, plus local PDF/DOCX normalization, SQLite state, Obsidian export, and a static viewer.

mullgate | *TypeScript, Docker, Networking, Proxies*

- Published a TypeScript CLI for authenticated Mullvad-backed SOCKS5, HTTP, and HTTPS proxies, with guided setup, Docker runtime generation, and operator diagnostics.
- Designed a shared-entry, multi-exit runtime that exposes country-specific local proxies from one Mullvad WireGuard device slot.

EXPERIENCE

De Buena Tinta

IT Support Intern

Asturias, Spain

Jan 2026 – Mar 2026

- Troubleshoot workstations, peripherals, and network issues while supporting day-to-day office operations.
- Supported maintenance for Windows/Linux systems, basic networking, and user-facing technical issues.

EDUCATION & CERTIFICATIONS

IES Virgen de Covadonga

Technician in Microcomputer Systems and Networks (Intermediate VET, Spain)

Asturias, Spain

Sep 2024 – Jun 2026

- **Final Project:** OfiGest, deployed a small-office infrastructure with Active Directory, DNS, DHCP, shared files, printing, IIS intranet, internal mail, FTP, quotas, backups, and automation.

Certifications: Google IT Support Specialization; Google AI Essentials; Tavily Web Search API.

TECHNICAL SKILLS

Programming: TypeScript, Python, Rust, Go, JavaScript, Bash, PowerShell

AI/Agents: MCP, LLM APIs, RAG, agent workflows, tool orchestration

Developer Tools: CLIs, GitHub automation, structured outputs, Playwright, browser automation

Systems: Docker, Linux, Tailscale, networking, proxy tooling, security gateways

Languages: Spanish (native), English (Cambridge C1 Advanced, Score 196)