

Aydan Salois

AI-native product engineer · Spokane Valley, WA · Open to remote

aydan.cegarcon@gmail.com · github.com/PlunderStruck · huggingface.co/plunderstruck · linkedin.com/in/aydan-salois

I find the gap between the official model and reality, then build the system that closes it. AI-native product engineer, strongest before the problem is clean — I turn ambiguity and AI-generated chaos into secure, tested, in-production systems, using AI as leverage while owning architecture, taste, and quality.

HOW I WORK

- **High-autonomy operator** — hand me a real problem, constraints, and a quality bar, then let me run; I own the outcome and come back with evidence.
- **AI as leverage, not judgment** — agents accelerate; I own architecture, taste, and quality.
- **Verification-gated** — unit, integration, regression, and mutation tests; pre-commit hooks and scip-query diff gates; nothing ships unreviewed.
- **Broad direction** → **vertical slices** → **iterate against reality** — not attached to my first answer; iteration is how I get to the truth.

EXPERIENCE

Auptim — Founding Software Engineer

Oct 2025 – Present · Remote

Founding engineer and primary author across all three products — **~2,650 commits, 500+ merged PRs**. Took over two unstable, largely untested AI-generated codebases and rebuilt them into secure production; architected and built the third (On Main) entirely solo, end to end:

- ▶ **Shmidge** (shmidge.ai) — took an unstable AI-generated prototype to secure production: an AI-native PM platform with a **discovery** → **SRD** → **backlog** agent pipeline and a **companion CLI** that lets coding agents drive the board. Re-architected the generation engine from one-shot JSON into a **validated, tool-driven agent loop**, fixed **IDOR + permission gaps**, and added **700+ tests**.
- ▶ **BarnPulse** (sm.auptim.ai) — inherited a rough early build and brought it to production: stable-management platform (horse tracking, incident reporting, subscription billing). Vue 3 + Pinia / Express 5 + Prisma + Postgres.
- ▶ **On Main** (dev.onmain.ai) — **architected and built solo, end to end**: booking platform on a Supabase row-level-security model; 100+ Postgres migrations, Stripe payments, LangChain/OpenAI features.

Freelance Web Developer

Ongoing · Remote

- Build and maintain custom client websites end to end across industries — **Poorman Legal** (poormanlegal.com, law), **CameraWorks Media** (cameraworks.media, real estate), and **Counseling 2 Thrive** (counseling2thrive.com, counseling); currently engaged with active clients.

The Production House — Technical Lead

2024 – Present · Part-time · Remote

- Technical lead (~1.5 yrs) and **sole developer of Synth Runner** (play.theproductionhouse.net/SynthRunner) — a complete (v1.0) Three.js neon endless-runner shipped cross-platform to **web, desktop (Electron), and mobile (Android)**, with Rapier3D physics, real-time leaderboards, and accounts on Cloudflare Workers + Supabase (~1,200 commits).

Amazon — Operations & Internal Tooling

2021 – 2025 · Spokane Valley, WA

- **Jammer Time (self-initiated)**: quantified the dollar cost of sortation-machine jams across **a full year of data in ~1 minute** — vectorized Python, machine-agnostic and shift-aware, separating true jams from downtime under a single shared ERROR code. (*Taught myself to code to ship it.*)
- Built **Juicy Bin** (Python / Tkinter) as a stow manager: pulled live bin capacity, weight, and dimensional data and **recommended optimal stow locations** by utilization %, weight, and cubic-space fit; generated per-zone PDF guides. Deployed in **site-specific builds across multiple fulfillment centers**.
- As a data analyst, built data-aggregation tools and browser extensions that auto-compiled cross-source metrics into dashboards **used by operations teams across North America**.

OPEN SOURCE & PROJECTS

scip-query — open-source repository-intelligence CLI for AI coding agents · TypeScript · github.com/PlunderStruck/scip-query

- Published npm package; **~4,200 downloads in the last 30 days**. Turns SCIP indexes, git history, and language analysis into agent commands that map blast radius, find duplication, finish migrations, and gate diffs before they ship.
- *Thesis*: coding agents are forced to operate at too concrete a level of abstraction — files and grep, not symbols and structure; scip-query raises them to the structural model where real decisions and verification live.

Local-LLM systems & quantization — Hugging Face: plunderstruck (9 models) · contributor to ROCmFPX

- Publish custom **self-speculative MTP quants in ROCmFP4 4-bit** for AMD Strix Halo (top models **8–9k downloads each**). Contributor to **ROCmFPX** (new ROCm FP4/FP6 quant format for llama.cpp): merged **TurboQuant KV-cache quantization** + Vulkan matvec-decode optimizations; run two Strix Halo rigs.

Logseq — merged + open PRs to the large open-source knowledge-base app (slash-command UX + developer tooling).

SKILLS

Languages: TypeScript, JavaScript, Python, SQL, HTML/CSS

Frontend: React, Vue 3, Three.js, Tailwind, Radix UI, framer-motion

Backend: Node / Express, Postgres, Prisma, Drizzle ORM, Supabase, Redis, Stripe, Cloudflare Workers

AI / ML: Anthropic / OpenAI / OpenRouter SDKs, LangChain, agent tooling & orchestration, MCP, tool-use / JSON-schema, RAG, local LLMs, GGUF quantization, MTP, SCIP static analysis

Cross-platform / Infra: Electron, Capacitor, Docker, AWS / Render, CI, pnpm monorepos, SQLite