

JAMES OLUSOGA

AI Solutions Engineer & Creative Technologist

Toronto, ON · Remote-friendly across NA · tdotssolutionsz@gmail.com · +1 416 528 6149

[linkedin.com/in/james-olusoga](https://www.linkedin.com/in/james-olusoga) · github.com/DareDev256 · jamesdare.com

github.com/DareDev256 — 24 public repos · 124 stars · **Active client engagements:** *Edson Legal* (12+ yrs) · *BetMetrics.ca* (paying retainer)

AI Engineer shipping production multi-agent LLM systems in regulated industries — verifier-loop architectures, MCP servers, prompt-cached corpora, voice agents, real-time AI surfaces. Production LLM systems that have to be **right, not just plausible**.

- **Ship production AI for paying clients.** Lead developer on **BetMetrics.ca** — 377+ users, 795 wagers placed (665 single bets + 130 parlays), multi-region odds aggregation (11 sportsbooks), Convex auto-settlement engine, built to **AGCO/OLG (Ontario gaming) compliance standards** (KYC, age verification, responsible-use disclosures, audit trails). Concurrent 12+ year client relationship at **Edson Legal** — PII / medical / insurance-claim intake under **LSO Rule 3.1**, PIPEDA/PHIPA, and insurer-counterparty audit expectations.
- **Build at the frontier of the Anthropic ecosystem.** Shipped **Second Opinion** — 5-agent healthcare AI with a verifier loop fact-checked against a 52-source clinical corpus and ~90% prompt-cache cost reduction (Cerebral Valley × Anthropic hackathon, Apr 2026). Shipped **Sandy Chain-Recall** — cross-property hospitality AI with Claude tool use + custom-cloned voice agents (Rosewood Sand Hill hackathon, May 2026). A published MCP server — **FCPXML MCP** (Final Cut Pro, 95 GitHub stars, 1,343 tests, 62 operations — on PyPI and listed in the official MCP registry) — plus **Passion Memory MCP**, running in private production across two machines (knowledge graph + vector embeddings + cross-session handoff).
- **Solo-build pace + multi-stack range.** Architect of the **Passion ecosystem** — an autonomous AI agent + memory MCP + real-time dashboard running 24/7 across two machines (97 modules, 61K LOC). 10+ years shipping creative and technical products, from a Music Canada gold certified music video to production AI pipelines.

EXPERIENCE

Lead Developer (Contract)

BetMetrics.ca — Toronto, ON | May 2026 – Present (recurring retainer)

- Multi-sport social betting platform shipped to **377+ users with 665 single bets and 130 parlays placed** across NBA / NHL / MLB / NFL / MLS / UFC / NCAA / FIFA World Cup — grown from a sportsbook MVP into a full engagement economy (blackjack, head-to-head duels, daily challenges, fantasy wallets + leaderboards, forum, live chat).
- Architected multi-region odds aggregation (11 sportsbooks via The Odds API + ESPN consensus fallback), Convex-based auto-settlement cron (30-min cadence), role-based admin (owner / admin / mod), 35-test infrastructure-integrity suite.
- Built to **AGCO/OLG (Ontario gaming) compliance standards** — KYC, age verification, responsible-use disclosures, and audit trails (the same shape of compliance problem as regulated financial services). Push notifications (VAPID), AODA accessibility pass, Mozilla Observatory grade B+.
- Stack: Next.js 16, React 19, Convex, Clerk, Tailwind 4, Vercel.

AI Solutions Engineer & Creative Technologist

Freelance / DareDev256 — Toronto, ON | Feb 2025 – Present

- **Passion (autonomous AI ecosystem — built solo, running 24/7).** End-to-end system spanning two machines. **Passion Agent (v4.94, 97 modules, 61K LOC)** — goal-driven KPI engine, adaptive scheduling, per-call cost tracing, durable execution checkpoints, 6-stage career pipeline (discover→score→tailor→apply→track→learn), applying via Playwright against Greenhouse and Lever. **PACT Dashboard (v0.121, 121 components)** — real-time command terminal with 76 API routes, 81 React Query hooks, Web Terminal (PTY shell), Web Push, STT voice input. **Passion Memory MCP Server** — persistent brain with knowledge graph, vector embeddings, somatic markers (Damasio), narrative identity (Bruner); session handoff eliminates cold starts across Claude Code sessions. Stack: Node.js, Claude/Gemini/DeepSeek APIs, Discord.js, Next.js 16, React 19, TanStack Query, Bun, SQLite, PM2.
- **Second Opinion — multi-agent healthcare AI (Cerebral Valley × Anthropic submission).** 5 Claude Opus agents (3 specialists in parallel + synthesizer + verifier) turn a patient medical chart into a cited appointment brief. Verifier fact-checks every claim against a 52-source clinical corpus before output; green / yellow / red verdict gates clinical handoff. Prompt-cached corpus (~32.5K tokens) delivers ~90% input-cost reduction on warm calls. Open-source. Stack: Next.js 16, React 19, Anthropic SDK with `cache_control: ephemeral`, NDJSON streaming.
- **Sandy Chain-Recall — cross-property hospitality AI (Rosewood Sand Hill hackathon, with Joshua Dare).** AI memory layer on top of Oracle OPERA (via Hapi). Front-of-house staff receives a 12-section prep brief at the moment of arrival. Custom-cloned Sandy + Hill voices, 5-language guest greetings, GDPR Art. 17 privacy opt-out, live ETA + arrival map, Manager Console split view. Built in 8 hours. Open-source. Stack: Next.js 16, Claude Opus with tool use, ElevenLabs Turbo + Multilingual v2, SSE, Mock Oracle OPERA adapter.
- **FCPXML MCP Server — first MCP server for Final Cut Pro (95 GitHub stars, 1,343 tests, 62 operations).** Published to PyPI as `fcpxml-mcp-server` (v0.16.0) and listed in the official MCP registry, Smithery and Glama — roughly **1,978 installs a month**, with outside contributors. Reads, modifies, and generates professional video timelines via natural language — and as of v0.9 runs **dual-mode: drives a live Final Cut Pro instance** (push-to-timeline, library listing via Apple-event control, verified against FCP 12.2). FCPXML 1.14 + `fcpxml` sidecars, media relink, DTD validation. Security-hardened (path traversal, XXE prevention, SAST). Python + MCP SDK.

- **ShopBayHQ — automotive retail platform (shipped, live at app.shopbayhq.com).** Full security-hardening pass (mass-assignment, owner-boundary, and session-fixation fixes; zero prod npm-audit findings; lint 108→0; self-cleaning e2e suite) plus **Holo Lot** — an interactive 3D showroom rendering hologram vehicles with per-model Audi/Mercedes silhouettes via a lazy-loaded Three.js + GLB pipeline. Self-hosted (PM2 + Cloudflare Tunnel, LaunchAgent always-on). Auto-produced a 78s launch video (TTS narration + Playwright app footage + ffmpeg).
- **Security hardening sprint across the ecosystem** — shell-injection prevention, path-traversal guards, 41 atomic-write migrations, SAST pattern detection, port scanning, SSL cert monitoring.

Automation Engineer (Independent Project)

Audi Downtown Toronto — Toronto, ON | Oct 2025 – Dec 2025

- Designed and built a vehicle workflow tracking application for a high-volume luxury dealership in coordination with service advisors, technicians, and managers — improving operational visibility across the team.
- Kanban-style state engine (detailing / service / delivery) with color-coded status indicators and role-based views — reduced coordination friction and improved handoff clarity.
- Implemented offline-resilient architecture ensuring continued operation during network interruptions.

AI Product & Community Strategist

Nin Online (Steam MMORPG) — Remote (concurrent) | Jun 2019 – Feb 2026

- Led creative and strategic initiatives for a live Steam MMORPG, coordinating with developers, moderators, and community leads across multiple regional teams.
- Designed and built **NinWikiBot** — automated knowledge system reducing documentation overhead and onboarding friction. Open-sourced as `fandom-wiki-bot-template` for other game communities.
- Drove organic promotion via streamers and YouTubers, increasing reach without paid advertising.

AI Workflow Consultant & Web Developer (Concurrent Client)

Edson Legal — Toronto, ON | 2013 – Present

- Built **Barry Edson Legal AI** — CRM with AI-powered intake automation, increasing consultation bookings 40%. Pipeline ingests highly sensitive client credentials (PII, medical records, accident/injury reports, insurance claim documentation, policy details, prior coverage history) and structures them into case files — risk-assessment and claim-vetting workflows directly adjacent to insurance underwriting and adjuster intake.
- Operate under strict privacy and confidentiality requirements — Law Society of Ontario rules, PIPEDA/PHIPA compliance, and insurer-counterparty audit expectations. Built secure intake forms, access-controlled CRM views, and audit-logged automations.
- Earlier workflow automation (appointment reminders, follow-ups, email sequences via Twilio + OpenAI) reduced manual admin tasks 60%. Daily user of **Microsoft 365 Copilot** for document summarization, Word/Excel/Outlook automations, and intake-document triage.
- Designed and developed the firm's website, modernizing digital presence for lead generation and credibility.

Creative Technologist

Forest Hill Real Estate — Toronto, ON | Dec 2021 – Feb 2025

- Delivered 100+ branded video and photography campaigns for luxury real estate listings in coordination with the brokerage's marketing and sales teams.
- Leveraged AI-assisted editing tools reducing post-production time by 35%+.
- Designed AI-tagged content systems improving asset organization, discoverability, and delivery speed.

Founder & Executive Producer

TdotsSolutionsz / KushdUp Filmsz — Toronto, ON | Jan 2010 – 2019

- Founded creative production company delivering video and brand development for artists including Chief Keef, Migos, and Masicka. Oversaw end-to-end production across 101 music video projects with multi-person crews (DPs, editors, colorists, audio).
- Built and ran **KushdUp Filmsz** as **Executive Producer through 2019**, then sold it. The buyer rebranded it into what is now **6ixBuzz Premieres**.
- Earned **Music Canada Gold certification** for music video work.

HACKATHONS

- **Hospitality 2030 hackathon at Rosewood Sand Hill (May 16, 2026).** Anthropic + ElevenLabs sponsored. Shipped **Sandy Chain-Recall** with Joshua Dare in 8 hours — AI memory layer for luxury hotels with custom-cloned voice agents, cross-property arrival briefs, and GDPR opt-out. Repo: github.com/DareDev256/chain-recall · Live: chain-recall.vercel.app.
- **Cerebral Valley x Anthropic — "Built with Claude Opus 4.7" hackathon (Apr 2026).** Shipped **Second Opinion** — 5-agent healthcare AI verifier loop. Open-sourced.

CORE COMPETENCIES

AI & Agents: Claude API (Opus / Sonnet / Haiku), Anthropic Claude Code, Claude Agent SDK, **Anthropic Tool Use** (function calling, structured handoffs), Gemini API, DeepSeek API, OpenAI API, LLaMA (via Ollama — local multi-model benchmarking), **Model Context Protocol (MCP)** — **built/published servers** (FCPXML MCP, Passion Memory MCP), **Anthropic Prompt Caching** (ephemeral cache_control, ~90% input-cost reduction on warm calls), **Multi-Agent Orchestration**, **Verifier-Loop / Chain-of-Verification** (Second Opinion green/yellow/red verdict gating), Agent Eval &

Observability, RAG Systems, LLM Integration, **Prompt Engineering** (schema-enforced JSON outputs, few-shot with curated corpora, Chain-of-Thought + Chain-of-Verification, adversarial-frame verifier prompts, A/B testing + regression suites, cross-corpus hallucination detection), **Vision Parsing** (multi-doc), **Structured Outputs**, **NDJSON Streaming**, **Server-Sent Events (SSE)**, **ElevenLabs SDK & Voice Agents** — Turbo + Multilingual v2 (custom voice cloning, 30+ languages), LangChain, LlamaIndex, **Vector & Hybrid Search** (pgvector, SQLite + embeddings, semantic search), Autonomous Agent Architecture, Browser Automation (Playwright)

Technical: Python (LLM API integration, prompt-eval harnesses, MCP server development, async with asyncio + httpx, pytest), JavaScript / Node.js (ES Modules), TypeScript, React 19, Next.js 16 (App Router · Server Components · API Routes · Edge runtime), Three.js / React Three Fiber, Convex, Clerk, FastAPI, SQLite, PostgreSQL, Discord.js, Bun, PM2, **launchd / LaunchAgent** (macOS always-on services), Tailscale (self-hosted mesh networking), Git, GitHub Actions, Docker, Vitest, Tailwind 4, TanStack Query, n8n, Twilio, Vercel (Edge Functions, deployments, env management)

Regulated-Industry & Compliance: Handling sensitive client credentials (PII, PHI, financial, insurance-claim, identity), KYC / age-verification flows, audit-logged automations, role-based access control, AGCO/OLG (Ontario gaming) compliance audits, PIPEDA / PHIPA awareness, Law Society of Ontario confidentiality rules, OWASP-aligned security review, awareness of **insurance industry regulatory context** (OSFI, FSRA, privacy-of-personal-information requirements for insurers and intermediaries)

MCP Server Development: Two production MCP servers, one published — **FCPXML MCP** (dual-mode Final Cut Pro: FCPXML read/generate + **live Apple-event control of a running FCP**, 1,343 tests, 62 operations, 95 GitHub stars, published on PyPI + the official MCP registry) and **Passion Memory MCP** (knowledge graph + vector embeddings + somatic markers + cross-session handoff). MCP protocol design, tool schema authoring, transport (stdio + HTTP), session lifecycle, security hardening (path traversal, XXE, shell injection).

Domain Expertise: **Healthcare AI** (Second Opinion · 52-source clinical corpus · multi-agent verifier loop) · **Hospitality AI** (Sandy · Oracle OPERA + Hapi integration boundary · 10+ years luxury-venue video production) · **Legal Tech** (Edson Legal · 12+ years · PIPEDA/PHIPA/LSO confidentiality) · **Sports & Gaming** (BetMetrics · AGCO/OLG compliance standards) · **Creative AI** (FCPXML MCP · 101 video projects · Music Canada Gold certified)

Product: Product Strategy, Roadmapping, Stakeholder Management, User Research, Agile / Scrum, Technical Documentation

Creative: Video Production (101 projects), Motion Graphics, Content Strategy, Brand Development

EDUCATION

IBM Professional Certificate Stack (Coursera · 2024–2025)

Certificate	
Generative AI Engineering Professional Certificate	IBM
AI Engineering Professional Certificate	IBM
AI Product Manager Professional Certificate	IBM
AI Developer Professional Certificate	IBM
Full Stack Software Developer Professional Certificate	IBM

Google Cloud Generative AI Leader Specialization (Google Cloud · 2025)

CERTIFICATIONS

Certification	Issuer
AWS Certified AI Practitioner (AIF-C01)	Amazon Web Services · 2026
Becoming a Strengths Based Leader Specialization	ADP

KEY PROJECTS

Project	Stack	Description
Passion (ecosystem)	Node.js · Next.js 16 · Claude / Gemini API · MCP · Bun · SQLite	Autonomous AI system built solo, running 24/7 — Passion Agent (v4.94, 97 modules, 61K LOC), PACT Dashboard (v0.121, 121 components, real-time terminal, web push, STT input), Passion Memory MCP Server (knowledge graph, vector embeddings, somatic markers, narrative identity, cross-session handoff).
Second Opinion	Next.js 16 · React 19 · Anthropic SDK · Claude Opus · Prompt caching · NDJSON streaming	5-agent multi-agent healthcare AI — 3 specialists in parallel + synthesizer + verifier turn a patient medical chart into a cited appointment brief with green/yellow/red clinical handoff verdicts. Fact-checked against 52-source clinical corpus before output. Prompt-cached corpus (~32.5K tokens) delivers ~90% input-cost reduction on warm calls. Built initially for adenomyosis; corpus expanding to fibroids, endometriosis, Hashimoto's, long COVID, lupus, POTS. <i>Open source</i> .

Sandy Chain-Recall	Next.js 16 · Claude Opus (tool use) · ElevenLabs Turbo + Multilingual v2 · SSE · TypeScript · Vercel · Mock Oracle OPERA adapter	AI memory layer for luxury hospitality — composer agent turns a member's cross-property history into a 12-section staff brief at the moment of arrival. Custom-cloned Sandy + Hill duo voices, 5-language guest greetings, privacy opt-out (GDPR Art. 17 cited verbatim), live ETA + arrival map, Manager Console split view. Built in 8 hours with Joshua Dare, May 2026. <i>Open source</i> .
BetMetrics.ca	Next.js 16 · React 19 · Convex · Clerk · Vercel	Multi-sport social betting platform for paying client (recurring retainer) — 377+ users, 665 bets + 130 parlays placed, Convex auto-settlement engine (30-min cron), multi-region odds aggregation (11 sportsbooks via The Odds API), social/engagement layer (blackjack, H2H duels, daily challenges, fantasy wallets + leaderboards, forum, live chat), built to AGCO/OLG compliance standards, AODA accessibility pass, Mozilla Observatory grade B+.
ShopBayHQ	Next.js · Three.js / R3F · PM2 · Cloudflare Tunnel · Vercel	Automotive retail platform shipped + deployed (app.shopbayhq.com). Security-hardened (mass-assignment / owner-boundary / session-fixation fixes, 0 prod npm-audit, lint 108→0, self-cleaning e2e). Holo Lot — interactive 3D showroom with hologram vehicles (per-model Audi/Mercedes silhouettes, lazy Three.js + GLB loader). Self-hosted always-on; 78s auto-produced launch video.
Barry Edson Legal AI	n8n · Twilio · OpenAI · CRM	AI-powered intake automation for personal-injury law firm (12+ year client relationship). Increased consultation bookings 40%, reduced manual admin tasks 60%. Pipeline ingests sensitive client credentials (PII, medical records, accident/injury reports, insurance claim documentation) under LSO Rule 3.1, PIPEDA/PHIPA, and insurer-counterparty audit expectations.
FCPXML MCP Server	Python · MCP SDK · lxml · Apple-event control	First MCP server for Final Cut Pro — reads/modifies/generates professional video timelines via natural language, and as of v0.9 drives a live Final Cut Pro instance (push-to-timeline, library listing, verified vs FCP 12.2). 1,343 tests, 95 GitHub stars , 62 operations. Published to PyPI as <code>fcp-mcp-server</code> and listed in the official MCP registry. Security-hardened (path traversal, XXE prevention, SAST). <i>Open source</i> .
tdotssolutionsz.com	React 18 · Three.js / R3F · Vite · GSAP · Vercel	"Toronto's Hip-Hop Visual Engine" — cinematic music video portfolio with editorial 3-color palette (charcoal · white · cobalt) and 3D Tunnel catalog. 101 videos · 54 artists · 25.3M+ views. Theater mode, audio visualizer, shuffle play, fuzzy search. Web Design showcase for client work. 710 tests / 49 suites.