Jake Lawrence

AI Enablement Engineer · Applied AI & Implementation

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SUMMARY

I build the AI tools teams need, then get people using them well. After five years inside local government, I took court case management and digital payments software live in 100+ deployments nationwide at Tyler Technologies, 92% on time and 95% on budget across 12 to 20 concurrent projects, with 120+ training sessions for 650+ users at 4.8/5. Now I am the sole engineer on a production AI platform I run in public, with the proof attached: a preregistered audit published with what failed, governance work under DOIs, and a policy layer I built to decide and record what AI agents may do.

SKILLS

AI systems: Anthropic and OpenAI APIs, multi-agent orchestration, RAG and hybrid retrieval, vision document parsing, eval design, prompt engineering, MCP servers and agent access control, spend controls
Governance and identity: AI acceptable-use policy design, SOC 2 readiness self-assessment, attribute-based access control (policy as code), audit logging, OAuth authorization servers and OpenID Connect (PKCE), JWT and JWKS, OpenAI-compatible API design
Build: JavaScript/Node, Next.js/React, Python, SQL, Supabase/Postgres, Vercel, Docker, REST APIs, Claude Code with agentic CI
Implementation: discovery and requirements, solution configuration, data conversion and validation, UAT and cutover, training and adoption
Tools: Power BI, Power Query, Salesforce, JIRA, Confluence

EXPERIENCE

Founder & Principal Engineer, Independent Practice (jakelawrence.xyz) Remote, 2024 to present

- Sole engineer on a production AI platform I run in public: multi-agent pipelines, hybrid retrieval, vision document parsing, and eval harnesses.
- Built an org-level control plane for what AI agents may do across two MCP servers: access groups are rules over who is asking (role, team, clearance), what is asked for (tool, data class, environment) and when (time, network, risk). Default deny, an explicit deny always wins, and every decision names the rule behind it.
- Built the identity and change control behind it: an OAuth authorization server for MCP (PKCE, client registration, tokens bound to one server), versioned policies with dry-run and one-step rollback, and a tamper-evident, append-only audit log. Existing clients keep today's behavior, held by tests.
- Also built an OpenID Connect provider and an OpenAI-compatible gateway with hashed per-key auth, output guardrails and per-request spend tagging.
- Published an AI acceptable-use policy template (15 rules, each tied to the code that enforces it), a SOC 2 readiness self-assessment (23 controls, graded for design and for operation), and the methods paper behind both. All three are citable, below.
- Portfolio Census: a preregistered audit of 240 units of my own agent-built code, coded blind by two models, with the failed results published.

Customer Success Engagement Specialist, A national data company (current employer) Chicago, IL, Mar 2026 to present

- Own batch data delivery for financial services clients across a six-phase pipeline, from contract through delivery.
- Quality-control lead on platform migrations: baseline comparisons and review of migration packets before client release.
- Built internal tooling the team adopted, including a PowerShell utility for output layout cleanup.

Implementation Consultant, Tyler Technologies Chicago, IL (Remote), Jul 2020 to Dec 2025

- Took court case management and digital payments software live in 100+ deployments nationwide, from legacy data conversion and validation through go-live and adoption, running 12 to 20 at once as primary contact: 92% on time, 95% on budget.
- Delivered 120+ training sessions to 650+ clerks, judges, prosecutors and police records staff at 4.8/5.
- Resolved 13 of 14 executive escalations through root-cause analysis, without commercial concessions.
- Wrote implementation playbooks adopted on 87% of projects, cutting rework 28% and post-go-live stabilization by 5.5 days.
- Co-founded a two-year internal AI initiative bringing LLM-assisted workflows into delivery operations, cutting manual effort about 50% on targeted processes.

Management Analyst / Technical Project Lead, Village of Morton Grove Morton Grove, IL, Sep 2018 to Jul 2020

- Client-side project manager on enterprise rollouts (court system, Public Works asset management); ran full RFP cycles on the buyer side.
- Launched a FOIA platform and automated workflows, about $200K in annual value and 20 staff hours a week saved.

Deputy Village Clerk, Village of Itasca Itasca, IL, Jan 2015 to Feb 2018

- Supported an enterprise asset management implementation (data validation, integration testing); deployed mobile GIS and trained field staff.

PUBLISHED WORK (CITABLE)

AI Acceptable-Use Policy template for small governments and nonprofits (CC BY 4.0). **doi:10.5281/zenodo.24426960**
SOC 2 Readiness for a One-Person Platform: a self-assessment. **doi:10.5281/zenodo.24427334**
Policy as Code, Graded Twice: the methods paper behind both (preprint). **doi:10.5281/zenodo.24430329**
Ukrainian Frequency: an open lemma frequency list, 12,000 lemmas (CC BY 4.0). **doi:10.5281/zenodo.22823134**
SAGEN-Bench v2: a preregistered LLM-agent memory evaluation. **doi:10.17605/OSF.IO/S3GFM**

EDUCATION

Master of Public Administration, Northern Illinois University (2016)
Bachelor of Arts, Community Leadership & Civic Engagement, Northern Illinois University (2014)