

Ryan Gentry

AI Automation | Operations Leader

Metro Detroit, MI | [linkedin.com/in/ryandgentry](https://www.linkedin.com/in/ryandgentry) | gentryadvisory.com | pencilsdown.dev

SUMMARY

Operations leader with 16 years of running teams, budgets, and high-volume workloads, now building AI-enabled systems that cut manual work and give leaders clear visibility. I ran a 30+ person organization handling 150 to 180 active work items at a time, and I now design, build, and test automation and agentic tooling in my own lab. I bring the structure of a program manager and the hands-on habits of an engineer (EE degree).

CORE SKILLS

Operations: process design, workflow and tracker systems, KPI dashboards, hiring and onboarding, budget and staffing forecasts, vendor and stakeholder management, continuous improvement

AI and automation: local and frontier LLM workflows, agent design and testing, prompt and skill engineering, documentation generation, Ollama, Claude Code

Technical: Proxmox, Docker, Cloudflare (DNS, Tunnel, Access), GitHub, Google Workspace and Apps Script, Microsoft Teams and Planner, enterprise ERP systems (LMP, GCSS-Army)

EXPERIENCE

Founder, Gentry Advisory

05/2026 to Present

Fractional operations and AI automation practice | Michigan

- Launched an operations and automation consulting practice focused on AI implementation and process development, using both locally run models and frontier models.
- Designing and testing AI-assisted workflows and documentation tools.
- Built and operate the supporting infrastructure: Proxmox virtual machines hosting Docker services, encrypted 3-2-1 backups with a tested bare-metal restore, and service rollouts run from written runbooks with formal gate reviews.
- Founder of Pencils Down (pencilsdown.dev), a product in development that turns a code repository into a plain-language owner's manual for vibe-coded (AI-built) apps.

US Army TACOM

06/2009 to 12/2025

Warren, MI | Department of the Army civilian

Section Leader, Logistics Operations (Supervisory Logistics Management Specialist)

04/2021 to 12/2025

- Ran day-to-day operations for a 30+ person multidisciplinary organization, covering workforce management, budgeting inputs, hiring, and mission-critical deliverables.
- Directed sustainment planning for 650+ products generating \$30M+ in annual sales.
- Kept 150 to 180 work items active at any time while the team completed roughly 800+ tasks a year, more than three finished tasks every working day.
- Built the team's operating system in Microsoft Teams and Planner: trackers, repositories, standard workflows, and executive dashboards that gave leadership a clear view of workload, priorities, and risk.
- Led 16 hiring actions and created a repeatable onboarding process that got new staff productive faster.
- Led a digital records migration of 1,096GB of legacy files into searchable collaboration platforms, preserving two decades of institutional knowledge.
- Forecast and managed \$70M+ in logistics funding across multiple budget sources, aligning spending with long-range operational needs and advising senior leaders on future-year staffing.
- Sponsored Lean Six Sigma Green Belt projects for team members, improving how statements of work were written and building staff proficiency.
- Briefed general officers and senior executives on program risk, readiness, and strategic decisions, and worked with engineers, contractors, and outside partners to align priorities.

Team Lead

08/2018 to 04/2021

- Led 13 specialists across supply chain, technical support, and sustainment during constantly shifting priorities.
- Built routines and systems that raised stock availability from roughly 50% to near 100% and cut backorders from 450+ line items to under 50 within one year.
- Led long-range contract strategy for a 5-year, \$200M multi-award contract that improved responsiveness and supply continuity.
- Coached team members through one-on-ones and development plans, and several earned promotions.
- Led cross-functional teams with program managers, contractors, and logistics agencies (5 to 12 partner organizations, including remote and hybrid work) to resolve risks and speed up procurement, with approval authority up to \$1M.

Integrated Logistics Support Manager

12/2017 to 07/2018

- Served as acting Integrated Logistics Support Manager, forecasting needs for a \$24M contract supporting rapid equipment deployment.
- Led development of technical manuals, provisioning strategies, and repair analyses that improved maintenance execution and lifecycle cost performance.

General Engineer (Systems and Logistics)

04/2012 to 11/2017

- Managed engineering changes, configuration control, technical manuals, and parts data for fielded systems, keeping source data accurate enough to plan maintenance.
- Coordinated technical reviews with contractors and depots to resolve obsolescence, manufacturing, and supply issues affecting readiness and lifecycle cost.
- Served as contracting officer's representative for roughly \$3M in service contracts, and re-established in-house manufacturing of critical equipment components to reduce supply risk.

Intern

06/2009 to 04/2012

SELECTED PROJECTS

Pencils Down (pencilsdn.dev), Founder

2026 to Present

In development

- Product that turns a code repository into a plain-language owner's manual for non-technical founders of AI-built apps. Proof of concept is in testing, with no public users yet.
- Designed a fixed manual format adapted from technical manual practice, where every claim must trace to a file.
- Built a complete email waitlist that gives sign-ups early access to the app. It runs on a Cloudflare Worker deployed from GitHub, sends confirmation emails through Resend, stores sign-ups in a Google Sheet through Apps Script, and includes one-click removal.

GLabs Homelab, Builder and Operator

2026 to Present

- Built a self-hosted AI lab on Proxmox with a Docker application host, running multi-agent workflows (an orchestrator with specialist agents) and a budget-capped, security-enforced research gateway.
- Benchmarked local models on my own GPU and chose one with roughly 14x the throughput, then reported an upstream bug I found in an open-source agent framework.
- Reliability: encrypted 3-2-1 backups with pull-only, locked-down access, verified by a bare-metal disaster recovery drill, plus an audit script that flags data not covered by backups.
- Privacy by design: locally hosted models never send prompts or data outside my LAN, a pattern that suits businesses with sensitive data.

CERTIFICATIONS AND EDUCATION

- Life Cycle Logistics, Level III (DoD acquisition workforce certification), 2019
- B.S., Electrical Engineering, Oakland University, 04/2012