CONTACT

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SKILLS & TECH

AI & Agents
LLM integration, agentic workflows, MCP servers, RAG, tool calling, context engineering, human-in-the-loop controls, AI observability, Ollama, AWS Bedrock, self-hosted GPU inference

Languages
Rust, Python, TypeScript, JavaScript, PowerShell, Bash, PHP

Applications
Tauri, Bevy, Godot, Astro, Playwright, axe-core, CI/CD

Cloud & Infrastructure
Cloudflare Workers, AWS, Neon PostgreSQL, RHEL/Ubuntu, Windows Server, Active Directory, Group Policy, VMware, Hyper-V, WSUS

Security
OAuth 2.1, Content Security Policy, mTLS, multi-tenancy, dependency auditing, Zero Trust, HIPAA, PII protection

CERTIFICATIONS

CompTIA Network+

CompTIA Security+

FORMER

Microsoft SCCM certification (legacy)

DoD 8570.01 IAT Level 2

DoD Top Secret and Secret clearances (expired)

Former credentials and clearances; no longer active.

James “Roy” Dawson IV

AI & SYSTEMS ARCHITECT

PROFESSIONAL SUMMARY

AI and systems architect with more than 15 years in enterprise infrastructure, secure operations, automation and software engineering. CTO and co-founder of Prodistry, founder of Glass Providence LLC and a U.S. Air Force veteran. Designs agentic AI systems and Model Context Protocol (MCP) servers, along with the controls around them: human approval queues, validation gates and telemetry. Builds cross-platform Rust applications and has trained teams on AI, agentic and MCP tooling.

PROFESSIONAL EXPERIENCE

Prodistry

CTO & Co-Founder — Aug 2026 – Present

- Architect and build Prodistry, a local-first product intelligence platform now in pre-release. It runs on Cloudflare Workers, Neon PostgreSQL and AWS Bedrock, with a tenant-scoped Streamable HTTP MCP server and OAuth-verified tenant context.
- Designed human-in-the-loop controls so that agent and MCP proposals go through an approval queue and cannot change workspace data directly.
- Hardened the application with a nonce-based Content Security Policy, dependency remediation, audit gates and authentication safeguards.
- Added database-enforced tenant registration controls and Playwright regression tests in CI, with Claude Code and Codex guidance for engineering handoff.

Glass Providence LLC — Utah

Founder & CEO — Jul 2026 – Present

- Founded and run a single-member studio for software, games and consulting work.
- Shipped three games: Pondlets (Android, iOS), Nomos (Android, iOS, desktop) and Providence Jigsaw (Windows, Android, iOS), built with Godot, Rust and Bevy.
- Manage store publishing, release engineering and distribution.

Independent — Utah

Software Engineer & AI Educator — Apr 2025 – Jul 2026

- Published open-source tools, from Python packages such as Ollama Toolkit and LLM Telemetry Toolkit to desktop apps such as Switch SD Manager and Portfolio Sidekick.
- Designed and built more than 10 websites for small businesses, creators and independent professionals.
- Trained solopreneurs and small groups to use AI, websites and automation.

The Church of Jesus Christ of Latter-day Saints — Riverton, UT

Systems Engineer, Telephony (via TEKsystems) — Aug 2024 – Apr 2025

- Secured and modernized the PHP platform on the servers behind global temple telephony, migrating legacy PHP 7 applications to PHP 8.3+ for all temples.
- Ran server and patch management for the global temple fleet and provided Tier 3 support for escalated issues.
- Modernized the global Cisco IP phone platform with migration and rollout automation, and fixed long-standing SOAP and service-menu blockers.
- Trained the AI department and several other departments on AI, agentic workflows and MCP tooling.

PROFESSIONAL EXPERIENCE, CONTINUED

Rise Informatics — Remote

Systems Architect & Integration Consultant — Jul 2023 – Jun 2024

- Built a secure pipeline for more than 1,900 pages of patient forum data, using Hugging Face Transformers and Qdrant for sentiment analysis, medication tracking and symptom pattern recognition.
- Built vector database and NLP-assisted review pipelines that cut manual analysis time by roughly 80%, and created dashboards for real-time quality and throughput.

TEKsystems (project-based contracts) — Remote & On-Site

Senior Systems Administrator / Infrastructure Lead — 2016 – 2025

- Led infrastructure deployments for Marriott and Wells Fargo and supported Nvidia DGX-class compute initiatives.
- Carried out VMware ESXi and Hyper-V migrations and automated patching for banking and hospitality compliance.
- Served as TEKsystems team lead on a Dell and Moog project (Mar to Apr 2023) and completed Marriott (Sep to Oct 2022) and Vail Resorts (Sep to Oct 2025) engagements.
- Other clients included Blue Cross Blue Shield and Performance Matters. Engagements were intermittent; the Church and Nicholas & Co. are listed separately.

Nicholas & Co. (TEKsystems contract, then direct hire Jan 2019) — Salt Lake City, UT

Cyber Systems Integrations Engineer — Oct 2018 – Aug 2021

- Wrote PowerShell automation for SQL clusters, Hyper-V and user provisioning that cut ticket volume about 40%.
- Supported an AX Dynamics CRM migration from on-premises infrastructure to AWS using automation.
- Patched about 1,000 servers and built redundant Rubrik and Tegile IntelliFlash storage for disaster recovery.

U.S. Air Force — Global

Cyber Systems Operations Administrator — May 2009 – May 2014

- Managed WSUS patching for more than 4,500 clients at full compliance and implemented Hyper-V environments with VBS-based automation in security-sensitive operations.

Earlier roles: Microsoft, Security Automation Specialist (2014); Dell, Lead Installation Technician (2015); Apex LLC, Technical Consultant (2015).

SELECTED WORK

Full list: imyourboyroy.com/software and github.com/imyourboyroy.

AGENTIC AI AND MCP

Agent Continuity Stack Shared rules, skills and memory for Codex, Cursor, Claude Code and Antigravity.

Ollama Toolkit Python toolkit for agents on local models (Ollama, LiteLLM) with typed clients, tools and MCP.

LLM Telemetry Toolkit Async logging of prompts, tool calls and latency with PII masking and OpenTelemetry export.

Ready for Us Private guided reflections with a public read-only MCP server and a consent-based OAuth 2.1 MCP.

DESKTOP APPLICATIONS

Genomics Caddy Local DNA explorer (Rust, Tauri) with ClinVar, GWAS, ClinPGx lookups and an MCP server.

PeriWire USB-over-IP in Rust with mutual TLS pairing, a CLI, a desktop app and an MCP server.

Enchi Python version manager in Rust with a CLI, a desktop app and an MCP server, formerly pyenv-native.

DEVELOPER TOOLING

WCAGate Accessibility gate for CI and coding agents running WCAG 2.2 AA checks with Playwright and axe-core.

Web Scraper Toolkit Turns web pages into Markdown, JSON or PDF as a command, Python library or MCP server.