

# Anthony James Padavano

## APPLIED AI & AGENTIC WORKFLOW ENGINEER

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| LINKS  | <a href="#">Portfolio</a> · <a href="#">GitHub</a> · <a href="#">agentic-titan</a> · <a href="#">ORGANVM System</a>  |             |
| PROFILE  | Applied AI engineer building multi-agent orchestration systems, agentic workflow infrastructure, and evaluation frameworks in TypeScript and Python. Creator of agentic-titan (1,276 tests across 18 development phases) and agent--claude-smith (Claude Agent SDK integration with session persistence, self-correction hooks, and structured tool invocation). Architect of a 103-repository governed system across 8 GitHub organizations — 32 AI agent definitions, constitutional constraints, automated validation, and an AI-conductor methodology where human intelligence directs AI-generated volume through structured review. Full-Stack Developer (Meta). 18 years professional experience. MFA Creative Writing. 11 years college instruction, 2,000+ students. LGBTQ+.  |             |
| TECHNICAL SKILLS   | Claude Agent SDK · Python · TypeScript · Node.js · Docker · YAML/JSON Schema · Zod · GitHub Actions · CI/CD · CLI Tooling · Git · pytest · Vitest · React 18 · Express · WebSocket · Redis · GCP / Terraform · Astro · Vite · pnpm Monorepos   |             |
| SELECTED PROJECTS  | <b>agentic-titan — Multi-Agent Orchestration Framework</b><br>TypeScript multi-agent framework: 18 development phases, 1,276 tests covering agent coordination, message passing, fault tolerance, and graceful degradation. Task decomposition, parallel execution patterns, and evaluation infrastructure. Structured for extensibility, reliability, and enterprise-grade governance.  |             |
|  | <b>agent--claude-smith — Claude Agent SDK Integration</b><br>TypeScript multi-agent system built directly on Claude Agent SDK with session persistence, self-correction hooks, 1Password secrets management, Zod schema validation, and structured tool invocation. Designed for autonomous multi-step software engineering tasks with plan-execute-evaluate-refine workflow.  |             |
|  | <b>Application Pipeline — AI-Assisted Workflow Orchestration</b><br>Python CLI tools: Greenhouse API client, 8-dimension scoring rubric, campaign orchestrator, YAML pipeline state machine, submission preflight, batch enrichment, velocity tracking. 14 independent scripts sharing a common library. AI-conductor methodology for structured human-AI collaboration.   |             |
|  | <b>ORGANVM Eight-Organ System — AI Governance Infrastructure</b><br>8 GitHub organizations, 21K code files, 3.6K tests, 94 CI/CD pipelines. 32 AI agent definitions governed by CLAUDE.md constitutional constraints. 128 GitHub Actions workflows (18 reusable templates). Automated dependency validation, promotion state machine (LOCAL → CANDIDATE → PUBLIC → GRADUATED), cross-org coordination. TypeScript + Python.  |             |
|  | <b>Portfolio — Astro 5 Static Site</b><br>Generative p5.js visual layer, D3.js data visualizations, Pagefind search, 20 case studies. CI/CD with quality ratchet governance.   |             |
| EXPERIENCE   | <b>Independent Software Engineer &amp; Applied AI Builder</b> <span>2020 — Present</span> <ul style="list-style-type: none"><li><b>LLM Orchestration:</b> Multi-agent systems with Claude Agent SDK (agent--claude-smith), agentic-titan framework (1,276 tests across 18 phases), structured tool invocation, self-correction hooks, and fault-tolerant agent coordination.</li><li><b>AI-Conductor Methodology:</b> Designed 103-repository system governed by CLAUDE.md files, 32 AI agent definitions, and automated validation — human directs, AI generates, human reviews. Constitutional constraints enforced through CI/CD.</li><li><b>Developer Tooling:</b> CLI pipeline tools (scoring, drafting, submission, campaign orchestration), Greenhouse API integration, YAML schema validation, batch processing.</li><li><b>CI/CD Infrastructure:</b> 128 GitHub Actions workflows (18 reusable templates), 94 CI/CD pipelines, automated dependency validation across 8 GitHub organizations.</li></ul> |             |
|  | <b>Instructor — Composition &amp; Writing</b> <span>2015 — Present</span><br><i>Miami Dade College, Keiser University, Nova Southeastern, FAU, Young Harris, Tarrant County, Broward, Palm Beach State</i> <ul style="list-style-type: none"><li>100+ courses across 8 institutions; 2,000+ students. Clear technical communication, documentation, and mentoring.</li></ul>   |             |
|  | <b>Digital Marketing Manager</b> <span>2023 — 2024</span><br><i>Miami Dade College Foundation (nonprofit)</i> <ul style="list-style-type: none"><li>Rebuilt foundation website; designed campaigns increasing donor engagement by 32%.</li></ul>   |             |
|  | <b>Multimedia Specialist</b> <span>2011 — 2020</span><br><i>AJP Media Arts — clients incl. Boca Ballet Theatre, Forward Funding, Arts in Boca</i> <ul style="list-style-type: none"><li>Video, audio, and visual campaigns for nonprofits and arts organizations; 17.5M+ views, \$2M in fundraising.</li></ul>   |             |
|  | <b>EDUCATION</b>   |             |
| <b>M.F.A. Creative Writing</b> , Florida Atlantic University   |  | 2015 — 2018 |
| <b>B.A. English Literature</b> , CUNY College of Staten Island |  | 2010 — 2014 |
| CERTIFICATIONS   | Full-Stack Developer, Meta (2024) · UX Design, Google (2023) · Digital Marketing, Google (2023) · Project Management, Google (2023)  |             |