Anthony James Padavano

APPLIED AI & AGENTIC WORKFLOW ENGINEER

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LINKS	Portfolio · GitHub · agentic-titan · ORGANVM System
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

agentic-titan — Multi-Agent Orchestration Framework
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.

agent--claude-smith — Claude Agent SDK Integration
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.

Application Pipeline — AI-Assisted Workflow Orchestration
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.

ORGANVM Eight-Organ System — AI Governance Infrastructure
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.

Portfolio — Astro 5 Static Site
Generative p5.js visual layer, D3.js data visualizations, Pagefind search, 20 case studies. CI/CD with quality ratchet governance.

EXPERIENCE

Independent Software Engineer & Applied AI Builder   2020 — Present
- **LLM Orchestration:** 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.
- **AI-Conductor Methodology:** 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.
- **Developer Tooling:** CLI pipeline tools (scoring, drafting, submission, campaign orchestration), Greenhouse API integration, YAML schema validation, batch processing.
- **CI/CD Infrastructure:** 128 GitHub Actions workflows (18 reusable templates), 94 CI/CD pipelines, automated dependency validation across 8 GitHub organizations.

Instructor — Composition & Writing   2015 — Present
Miami Dade College, Keiser University, Nova Southeastern, FAU, Young Harris, Tarrant County, Broward, Palm Beach State
- 100+ courses across 8 institutions; 2,000+ students. Clear technical communication, documentation, and mentoring.

Digital Marketing Manager   2023 — 2024
Miami Dade College Foundation (nonprofit)
- Rebuilt foundation website; designed campaigns increasing donor engagement by 32%.

Multimedia Specialist   2011 — 2020
AJP Media Arts — clients incl. Boca Ballet Theatre, Forward Funding, Arts in Boca
- Video, audio, and visual campaigns for nonprofits and arts organizations; 17.5M+ views, $2M in fundraising.

EDUCATION

M.F.A. Creative Writing, Florida Atlantic University   2015 — 2018
B.A. English Literature, 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)