

Anthony James Padavano

SENIOR DEVELOPER ADVOCATE & INFRASTRUCTURE ENGINEER

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LINKS

[Portfolio](#) · [GitHub](#) · [agentic-titan](#) · [ORGANVM System](#)

PROFILE

Developer advocate and software engineer building infrastructure tooling, YAML-driven data pipelines, and developer education content in Python and TypeScript. 11 years of college-level instruction (2,000+ students) — practiced at translating complex data infrastructure into accessible documentation and community-facing tutorials. Architect of a 103-repository system with structured schema governance, automated validation, and CI/CD at scale. Builder of CLI tooling suites and API integration clients. Full-Stack Developer (Meta). MFA Creative Writing. LGBTQ+.

TECHNICAL SKILLS

Python · TypeScript · Node.js · YAML/JSON Schema · CLI Tooling · Git · GitHub Actions · CI/CD · Docker · Claude Agent SDK · React 18 · Astro · D3.js · Vitest · pytest · Express · Zod · pnpm Monorepos · GCP / Terraform · Redis

SELECTED PROJECTS

ORGANVM Eight-Organ System — 103-Repository Developer Infrastructure

8 GitHub organizations, 21K code files, 3.6K tests. YAML schema governance, CLAUDE.md documentation in every repo, automated dependency validation (43 edges, 0 violations). 128 GitHub Actions workflows (18 reusable templates). Developer-facing infrastructure at scale.

Application Pipeline — Data Pipeline & CLI Suite

14 Python CLI tools: YAML-driven pipeline state machine, Greenhouse API client, 8-dimension scoring rubric, campaign orchestrator, batch enrichment, velocity tracking. Schema validation and data integrity throughout.

Portfolio — Astro 5 Technical Showcase

20 case studies, D3.js data visualizations, generative p5.js visual layer, Pagefind search. Designed for technical storytelling and developer community engagement.

agentic-titan — Multi-Agent Orchestration System

TypeScript multi-agent framework: 18 development phases, 1,276 tests. Agent coordination, task decomposition, and structured execution patterns.

agent--claude-smith — Claude Agent SDK Integration

TypeScript agent with session persistence, self-correction hooks, and structured tool invocation for autonomous engineering tasks.

EXPERIENCE

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. Designed curriculum, built community, and translated complex systems into accessible educational experiences for diverse audiences.

Independent Software Engineer & Developer Tools Builder

2020 — Present

- **Developer Tooling & APIs:** Built Greenhouse API client, YAML schema validation, CLI pipeline tools (scoring, drafting, submission, orchestration) — 14 scripts sharing a common library.
- **Documentation Governance:** CLAUDE.md in 103 repositories — structured references enabling developers and AI agents to navigate, build, and test across 8 GitHub organizations.
- **CI/CD Infrastructure:** 128 GitHub Actions workflows (18 reusable templates), 94 CI/CD pipelines, automated dependency validation.
- **LLM Orchestration:** Multi-agent systems with Claude Agent SDK and agentic-titan framework (1,276 tests).

Multimedia Specialist

2011 — 2020

AJP Media Arts — clients incl. Boca Ballet Theatre, Forward Funding, Arts in Boca

- Video, audio, and narrative content for nonprofits and arts organizations; 17.5M+ views, \$2M in fundraising through storytelling and community engagement.

Digital Marketing Manager

2023 — 2024

Miami Dade College Foundation (nonprofit)

- Rebuilt foundation website; designed campaigns increasing donor engagement by 32%.

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)