

# Anthony James Padavano

## APPLIED AI & INFRASTRUCTURE ENGINEER

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### LINKS

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

### PROFILE

Infrastructure engineer building deployment automation, governance systems, and validated CI/CD pipelines in Python and TypeScript. Sole architect of a 103-repo system across 8 GitHub orgs — 21K files, 3.6K tests, 94 pipelines; governance-rules.json and CLAUDE.md compliance enforced on every merge. AI-conductor methodology with structured human review gates. Full-Stack Developer (Meta). 18 yrs experience. MFA. 2,000+ students taught. LGBTQ+.

### TECHNICAL SKILLS

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

### SELECTED PROJECTS

#### ORGANVM Eight-Organ System — 103-Repository Governed Infrastructure

8 GitHub orgs; 21K files, 3.6K tests, 94 pipelines, 128 Actions workflows (18 reusable). governance-rules.json constitutional constraints on every merge; forward-only promotion state machine; cross-org schema validation. TS + Python.

#### Application Pipeline — Validated Deployment Workflow System

14 Python CLI scripts; schema-validated YAML state machine with forward-only progression, preflight gates, audit-logged submissions. Greenhouse API client; 8-dimension scoring; batch enrichment with dry-run previews.

#### agentic-titan — Multi-Agent Orchestration Framework

TypeScript multi-agent framework; 18 phases, 1,276 tests. Agent coordination, task decomposition, fault tolerance, parallel execution.

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

Claude Agent SDK; session persistence, self-correction hooks, 1Password secrets, Zod validation. Structured tool invocation with audit trails.

#### Portfolio — Astro 5 Static Site with Quality Governance

Astro 5 static site; CI/CD quality ratchet with committed policy JSONs. Build verification, a11y testing, deploy gates gated on upstream quality success.

### EXPERIENCE

#### Independent Software Engineer & Infrastructure Builder

2020 — Present

- **CI/CD Infrastructure:** 128 Actions workflows (18 reusable), 94 pipelines across 8 orgs. Deploy gates, quality ratchets, promotion state machines.
- **Governance & Compliance:** 103-repo system governed by CLAUDE.md files and governance-rules.json; every merge validated against org policy via automated schema checks.
- **Deployment Automation:** CLI pipeline tools (scoring, preflight, submission, campaign); Greenhouse API; YAML schema validation with forward-only state enforcement; audit-logged batch processing.
- **LLM Orchestration:** Multi-agent systems via Claude Agent SDK (agent--claude-smith) and agentic-titan (1,276 tests, 18 phases); structured tool invocation; human-in-the-loop review.

#### Instructor — Composition & Writing

2015 — Present

*Miami Dade College, Keiser University, Nova Southeastern, FAU, Young Harris, Tarrant County, Broward, Palm Beach State*

- 100+ courses, 8 institutions, 2,000+ students. Curriculum design; structured assessment; technical documentation; cross-institutional stakeholder communication.

#### Digital Marketing Manager

2023 — 2024

*Miami Dade College Foundation (nonprofit)*

- Rebuilt foundation website; campaigns increased donor engagement 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)