Anthony James Padavano

APPLIED AI & INFRASTRUCTURE ENGINEER

New York City | 561-602-7300 | padavano.anthony@gmail.com

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)