

Anthony James Padavano

STAFF DEVELOPER ADVOCATE (PLATFORM ENGINEERING & DISTRIBUTED SYSTEMS)

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LINKS

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

PROFILE

Independent engineer building production-grade platform infrastructure and multi-agent orchestration in TypeScript and Python. Creator of a 103-repository ecosystem governed by 94 CI/CD pipelines, 2,349+ tests, and ~810K+ words of documentation. Specialist in self-service platforms that bridge agentic model capabilities and reliable engineering infrastructure. Focused on golden path governance and developer productivity at institutional scale. Full-Stack Developer (Meta). 18 years experience. MFA Creative Writing. LGBTQ+.

TECHNICAL SKILLS

Distributed Systems · Platform Engineering · Kubernetes · TypeScript · Go · Infrastructure as Code · CI/CD · GitHub Actions · Claude Agent SDK · Zod · pytest · Vitest · YAML/JSON Schema · Node.js · Docker · Git · pnpm Monorepos · GCP / Terraform · WebSocket · Redis · Nginx · D3.js · p5.js

SELECTED PROJECTS

ORGANVM Eight-Organ System — 103-Repository Platform Infrastructure

A unified technical corpus encompassing 21K code files, 3.6K tests, and 8 independent organizations. Governed by a formal promotion state machine, automated dependency validation (43 edges), and 128 GitHub Actions workflows on 18 reusable templates.

agentic-titan — Multi-Agent Orchestration & CLI Framework

TypeScript framework for orchestrating multi-step engineering tasks across autonomous agents. 18 development phases, 1,276 tests. Engineered for high-reliability tool invocation, cross-platform execution, and transparent task decomposition.

Application Pipeline — CLI-Driven Orchestration Suite

Python-based CLI suite implementing an 8-dimension scoring rubric and YAML-driven state machine. Automates complex research and content synthesis tasks, demonstrating production-grade pipeline orchestration and self-service tooling patterns.

agent--claude-smith — Claude Agent SDK Reliability Layer

Agent implementation on Claude Agent SDK with session persistence, self-correction hooks, and structured tool invocation for production engineering workflows requiring durable state management.

Portfolio — Performance-Grade Static Site

Astro 5 site governed by a CI/CD "quality ratchet" enforcing strict validation and testing standards. Scannable "Storefront" for 42 published technical essays documenting platform engineering patterns.

EXPERIENCE

Independent Software Engineer & Platform Architect

2020 — Present

- **Infrastructure Reliability:** Designed 2,349+ automated tests across 94 repositories ensuring correctness in cross-organizational developer tooling and platform services.
- **Platform Advocacy:** Authored 42 published essays (~142K words) documenting "AI-conductor" methodology and how model capabilities converge with platform orchestration.
- **Golden Path Governance:** Architected 103-repository system with dependency graph validation (43 edges) and formal promotion state machine enforcing forward-only progression across 8 organizations.
- **CI/CD Orchestration:** Engineered 128 GitHub Actions workflows on 18 reusable templates across 8 organizations, reducing CI/CD friction and enforcing quality gates at scale.

Instructor — Writing & Complex Systems

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. Translating complex technical concepts into accessible documentation and mentoring junior developers in technical rigor.

Digital Marketing Manager & Narrative Strategist

2023 — 2024

Miami Dade College Foundation (nonprofit)

- Architected foundation website overhaul and campaign design, utilizing data analysis to drive a 32% increase in donor engagement.

Multimedia Specialist

2011 — 2020

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

- Produced high-volume visual and narrative campaigns; generated 17.5M+ views through technical and creative production.

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)