Anthony James Padavano

DEVELOPER RELATIONS ENGINEER (AI & CREATIVE TECH)

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LINKS

Portfolio · GitHub · agentic-titan · ORGANVM System

PROFILE

Independent engineer and veteran educator (11 years, 2,000 students) building production-grade infrastructure, developer tooling, and multi-agent orchestration systems in TypeScript and Python. Architect of a 103-repository ecosystem governed by automated validation, 94 CI/CD pipelines, and 2,349+ tests. Specialist in translating complex systemic work into scannable technical content and "AI-conductor" methodologies. Influential voice in the developer experience, focusing on correctness, systemic reliability, and building the "Storefront" layer for frontier AI audio and orchestration technologies. Full-Stack Developer (Meta). MFA Creative Writing. LGBTQ+.

TECHNICAL SKILLS

TypeScript · Python · Node.js · AI Coding Tools · Technical Writing · Public Speaking · CLI Tooling · GitHub Actions · CI/CD · Zod · Vitest · pytest · YAML/JSON Schema · React 18 · Express · pnpm Monorepos · GCP / Terraform · WebSocket · Redis · D3.js · p5.js · Nginx

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SELECTED PROJECTS

Classroom RPG Aetheria — AI-Native Learning Environment
A prototype for frontier pedagogical environments featuring dynamic AI quest generation. Hardened for production with XSS mitigation, robust failure handling, and 100% pass rate across 45+ unit tests (Vitest). A concrete example of making complex AI integration accessible and resilient.

ORGANVM Eight-Organ System — 103-Repository Developer Infrastructure
A unified technical corpus encompassing 21K code files and 3.6K tests. Governed by a formal promotion state machine and automated dependency validation (43 edges). Features 128 GitHub Actions workflows built on 18 reusable templates. A live demonstration of "solo production at institutional scale."

agentic-titan — Multi-Agent Orchestration & CLI Framework
TypeScript framework for orchestrating complex, multi-step engineering tasks across autonomous agents. Includes 18 development phases and 1,276 tests. Engineered for high-reliability tool invocation and task decomposition.

Application Pipeline — CLI Advocacy Orchestrator
Python-based CLI suite for pipeline orchestration: 8-dimension scoring rubric and YAML-driven state machine. Automates intake, research, and synthesis tasks, translating deep technical evidence into scannable storefront materials.

Portfolio — Performance-Grade Static Site
Astro 5 site with p5.js visual layers. Governed by a CI/CD "quality ratchet" that enforces strict validation and testing standards. Represents the scannable "Storefront" for deep systemic infrastructure work.

EXPERIENCE

Independent Software Engineer & Technical Advocate   2020 — Present
- **Technical Advocacy:** Documented "AI-conductor" methodology across 42 published essays (~142K words), exploring the intersection of model capabilities and engineering rigor.
- **Infrastructure Reliability:** Built a corpus of 2,349+ tests across 94 active repositories, ensuring correctness in complex, cross-organizational developer tooling.
- **Community Education:** Simplified complex systemic concepts into ~810K+ words of documentation, fostering adoption of automated governance and agentic workflows.
- **LLM System Integration:** Developed multi-agent frameworks using the Claude Agent SDK featuring structured tool invocation and self-correction protocols.

Instructor — Composition, 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 architectural requirements into accessible tutorials and mentoring junior developers in technical rigor.

Digital Marketing Manager   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 and $2M in fundraising 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)