Anthony James Padavano

SENIOR TECHNICAL WRITER (DISTRIBUTED SYSTEMS)

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

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 distributed systems documentation in TypeScript and Python. Architect of a 103-repository ecosystem governed by automated validation and ~810K+ words of documentation. Specialist in "Docs as Code" methodologies, translating complex backend orchestration—including durable execution and state management—into scannable, scrupulously accurate technical content. Focused on correctness, systemic reliability, and building high-signal "Storefront" documentation for engineers and AI agents. Full-Stack Developer (Meta). MFA Creative Writing. LGBTQ+.

TECHNICAL SKILLS

Technical Writing · Distributed Systems · Markdown · GitHub Actions · CI/CD · Python · TypeScript · Node.js · YAML/JSON Schema · Zod · pytest · Vitest · Docker · Git · pnpm Monorepos · GCP / Terraform · WebSocket · Redis · Nginx · D3.js · p5.js

SELECTED PROJECTS

ORGANVM Eight-Organ System — 103-Repository Data & Documentation Corpus
A unified technical corpus encompassing 21K code files and 3.6K tests. Governed by a formal promotion state machine and automated dependency validation. Features 128 GitHub Actions workflows built on 18 reusable templates. Includes ~810K+ words of "Docs as Code" infrastructure across 8 organizations.

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 transparent task decomposition.

Application Pipeline — Systems Analysis & Documentation Suite
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 documentation and outreach materials.

Classroom RPG Aetheria — AI-Native Learning Environment
Gamified education platform featuring dynamic AI quest generation. Hardened for production with XSS mitigation and robust failure handling. A prototype for how complex distributed interactions can be documented and made resilient.

Portfolio — Performance-Grade Documentation Site
Astro 5 site governed by a CI/CD "quality ratchet" that enforces strict validation and testing standards. Represents the scannable "Storefront" for 42 published technical essays (~142K words) documenting distributed architecture.

EXPERIENCE

Independent Software Engineer & Technical Writer   2020 — Present
- **Docs as Code Infrastructure:** Designed a 103-repository system governed by automated validation and 94 CI/CD pipelines; maintained a documentation corpus of 810K+ words native to GitHub and Markdown.
- **Technical Advocacy:** Documented "AI-conductor" methodology across 42 published essays (~142K words), exploring the intersection of model capabilities and engineering rigor.
- **System Reliability:** Built a corpus of 2,349+ tests across 94 active repositories, ensuring documentation accuracy through technical correctness and automated verification.
- **Distributed Tooling:** Developed CLI pipeline tools using Python and YAML schema validation to automate technical research and content synthesis at scale.

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. Mentoring students in technical rigor and translating complex distributed concepts into accessible educational content.

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 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)