

# Anthony James Padavano

SENIOR DEVELOPER ADVOCATE (SEARCH AI & EMEA COMMUNITY)

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## LINKS

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

## PROFILE

Independent software engineer and veteran educator (11 years, 2,000 students) building production-grade infrastructure, developer tooling, and multi-agent orchestration systems. Creator and sole architect of a 103-repository ecosystem across 8 GitHub organizations governed by automated validation, 94 CI/CD pipelines, and 2,349+ tests. Specialist in translating complex technical "Cathedrals"—including Search AI, distributed observability, and agentic orchestration—into delightful scannable "Storefront" advocacy for the EMEA community. Expert in "solo production at institutional scale," utilizing an "AI-conductor" methodology to maintain technical integrity while fostering community trust through high-signal technical content. Full-Stack Developer (Meta). 18 years professional experience. MFA Creative Writing. LGBTQ+.

## TECHNICAL SKILLS

Developer Relations · Technical Storytelling · Search AI · TypeScript · Node.js · React 18 · Python · CLI Tooling · GitHub Actions · CI/CD · Zod · pytest · Vitest · YAML/JSON Schema · Docker · Git · pnpm Monorepos · GCP / Terraform · WebSocket · Redis · Nginx · D3.js · p5.js

## SELECTED PROJECTS

### 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. Features 128 GitHub Actions workflows built on 18 reusable templates. A live demonstration of how institutional-scale developer tooling can be made scannable and accessible.

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

TypeScript framework for orchestrating complex, multi-step engineering and advocacy tasks across autonomous agents. Includes 18 development phases and 1,276 tests. Engineered for high-reliability tool invocation, task decomposition, and transparent community collaboration.

### Application Pipeline — Systems Analysis & Advocacy 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 storefront materials for global advocacy.

### 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 AI integrations can be made resilient and documented for community success.

### Portfolio — Performance-Grade Documentation Site

Astro 5 site governed by a CI/CD "quality ratchet" that enforces strict validation standards. Represents the scannable "Storefront" for 42 published technical essays documented as part of the public process.

## EXPERIENCE

### Independent Software Engineer & Technical Advocate

2020 — Present

- **Community Advocacy:** Documented "AI-conductor" methodology across 42 published essays (~142K words), exploring the intersection of model capabilities and engineering rigor for the developer community.
- **Infrastructure Reliability:** Built a corpus of 2,349+ automated tests across 94 active repositories, ensuring technical correctness in complex, cross-organizational developer tooling and advocacy materials.
- **AI-Native Automation:** Developed multi-agent frameworks using the Claude Agent SDK featuring structured tool invocation and self-correction protocols for autonomous engineering.
- **Technical Storytelling:** Produced high-volume scannable technical content, translating deep systemic architecture into accessible narrative entry points for builders and technical leaders.

### 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 practitioners in technical rigor and translating complex technical concepts into accessible pedagogical content.

### 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 community engagement through technical execution.

### 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 storytelling.

E D U C A T I O N	M.F.A. Creative Writing, Florida Atlantic University	2015 — 2018
	B.A. English Literature, CUNY College of Staten Island	2010 — 2014

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C E R T I F I C A T I O N S	Full-Stack Developer, Meta (2024) · UX Design, Google (2023) · Digital Marketing, Google (2023) · Project Management, Google (2023)
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