

# Anthony James Padavano

## STAFF DEVELOPER ADVOCATE (EMEA & DISTRIBUTED SYSTEMS)

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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 distributed systems and multi-agent orchestration frameworks. Creator of a 103-repository ecosystem governed by 94 CI/CD pipelines, 2,349+ tests, and ~810K+ words of documentation. Specialist in translating complex backend primitives—including state management, durable execution, and retries—into scannable "Storefront" narratives for the EMEA builder community. Focused on systemic reliability and developer advocacy at institutional scale. Full-Stack Developer (Meta). 18 years experience. MFA Creative Writing. LGBTQ+.

### TECHNICAL SKILLS

TypeScript · Node.js · Distributed Systems · Developer Relations · Technical Storytelling · CLI Tooling · GitHub Actions · CI/CD · Zod · pytest · Vitest · YAML/JSON Schema · React 18 · pnpm Monorepos · Express · Docker · Git · 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, 3.6K tests, and 8 independent organizations. Governed by a formal promotion state machine, automated dependency validation, 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, transparent state management, and durable execution.

#### 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 for the EMEA developer community.

#### 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 workflows requiring durable state management.

#### 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) on developer experience and distributed systems advocacy.

### EXPERIENCE

#### Independent Software Engineer & Technical Advocate

2020 — Present

- Infrastructure Reliability:** Designed 2,349+ automated tests across 94 repositories ensuring correctness in cross-organizational developer tooling and distributed state management.
- Technical Advocacy:** Authored 42 published essays (~142K words) on "AI-conductor" methodology, exploring durable execution patterns for the global builder community.
- AI-Native Automation:** Built multi-agent frameworks on Claude Agent SDK with structured tool invocation and self-correction protocols for production agentic workflows.
- Governance at Scale:** Engineered 128 GitHub Actions workflows on 18 reusable templates across 8 organizations, reducing CI/CD friction and enforcing quality gates 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. Translating complex technical 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 engagement through data-driven 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 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)