

# ***Anthony James Padavano***

DEVELOPER RELATIONS ENGINEER (INFRASTRUCTURE & DX)

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## LINKS

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

## PROFILE

Independent engineer and platform architect building production-grade infrastructure, developer tooling, and AI 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 removing developer friction through "golden path" workflows and bridging the gap between deep "Cathedral" architecture and scannable "Storefront" entry points. High-agency practitioner of an "AI-conductor" methodology, focused on correctness, systemic reliability, and making complex cloud infrastructure feel invisible. Full-Stack Developer (Meta). 18 years professional experience. LGBTQ+.

## TECHNICAL SKILLS

TypeScript · Python · CLI Tooling · GitHub Actions · CI/CD · Docker · Kubernetes · Git · Node.js · Zod · pytest · Vitest · YAML/JSON Schema · React 18 · Express · 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 across 8 organizations. 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 high-ownership, 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 cross-platform task execution.

### **Classroom RPG Aetheria — AI-Native Learning Environment**

Gamified education platform featuring dynamic AI quest generation. Hardened for production with XSS mitigation, robust failure handling, and 100% pass rate across 45+ unit tests (Vitest). Built to handle complex AI integration with production-grade reliability.

### **Application Pipeline — Systems Analysis Tooling 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.

### **Portfolio — Performance-Grade Static Site**

Astro 5 site governed by a CI/CD "quality ratchet" that enforces strict validation and testing standards before deployment. Represents the scannable "Storefront" for deep systemic work.

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## EXPERIENCE

### **Independent Software Engineer & Platform Architect**

2020 – Present

- **Infrastructure Reliability:** Built a corpus of 2,349+ tests across 94 active repositories, ensuring correctness in complex, cross-organizational developer tooling.
- **High-Agency Governance:** Designed a 103-repo system with automated dependency graph validation (43 edges) and a formal promotion state machine (LOCAL → CANDIDATE → PUBLIC → GRADUATED).
- **AI-Native Automation:** Developed multi-agent frameworks using the Claude Agent SDK (agentic-titan, 1,276 tests) featuring structured tool invocation and self-correction protocols.
- **CI/CD Orchestration:** Managed 128 GitHub Actions workflows using 18 reusable templates to maintain production reliability across 8 independent organizations.

### **Instructor — Composition & Writing**

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 documentation 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.

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## EDUCATION

### **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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## CERTIFICATIONS

Full-Stack Developer, Meta (2024) · UX Design, Google (2023) · Digital Marketing, Google (2023) · Project Management, Google (2023)