Anthony James Padavano

DEVELOPER EXPERIENCE ENGINEER (AI & PRIVACY)

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LINKS

Portfolio · GitHub · agentic-titan · ORGANVM System

PROFILE

Independent software engineer building production-grade developer tools, internal platforms, and multi-agent orchestration systems. Architect of a 103-repository ecosystem governed by 94 CI/CD pipelines, 2,349+ tests, and ~810K+ words of documentation. Specialist in translating complex technical primitives into delightful, scannable developer experiences that reduce friction and accelerate adoption. Focused on API design and developer-first tooling at institutional scale. Full-Stack Developer (Meta). 18 years experience. MFA Creative Writing. LGBTQ+.

TECHNICAL SKILLS

TypeScript · Node.js · React 18 · CLI Tooling · Technical Writing · GitHub Actions · CI/CD · Zod · pytest · Vitest · YAML/JSON Schema · Docker · Git · pnpm Monorepos · Python · 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 complex, multi-step engineering tasks across autonomous agents. Includes 18 development phases and 1,276 tests. Engineered for high-reliability tool invocation, delightful developer abstractions, and transparent task decomposition.

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, translating deep technical evidence into scannable storefront materials for developer adoption.

agent--claude-smith — Claude Agent SDK Reliability Layer
Agent implementation on Claude Agent SDK with session persistence, self-correction hooks, and structured tool invocation. Designed for production engineering workflows requiring durable state management and developer-first reliability guarantees.

Portfolio — Performance-Focused Static 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 essays (~142K words) documenting developer experience patterns as part of the public process.

EXPERIENCE

Independent Software Engineer & DX Architect
2020 — Present
- **Infrastructure Reliability:** Designed a corpus of 2,349+ automated tests across 94 active repositories, ensuring correctness and preventing regressions in cross-organizational developer tooling and platform services.
- **Developer Advocacy:** Authored 42 published essays (~142K words) on "AI-conductor" methodology, reducing support burden through proactive technical content that translates deep architecture into accessible narratives.
- **AI-Native Automation:** Built multi-agent frameworks on Claude Agent SDK with structured tool invocation and self-correction protocols, demonstrating production-grade agentic workflow patterns.
- **Governance at Scale:** Engineered 128 GitHub Actions workflows on 18 reusable templates across 8 independent 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 proactive digital ownership initiatives.

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)