Anthony James Padavano

STAFF BACKEND ENGINEER (DEVEX & ORCHESTRATION)

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LINKS

Portfolio · GitHub · agentic-titan · ORGANVM System

PROFILE

Independent software engineer building production-grade Ruby and Go infrastructure, internal developer platforms, and multi-agent orchestration systems. Creator of a 103-repository ecosystem governed by 94 CI/CD pipelines, 2,349+ tests, and ~810K+ words of documentation. Specialist in removing developer friction through "golden path" workflows that bridge agentic capabilities and reliable infrastructure. Focused on backend tooling and self-service developer platforms at institutional scale. Full-Stack Developer (Meta). 18 years experience. MFA Creative Writing. LGBTQ+.

TECHNICAL SKILLS

Ruby · Go · TypeScript · CLI Tooling · GitHub Actions · CI/CD · Node.js · Docker · Git · 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, 3.6K tests, and 8 independent organizations. Governed by a formal promotion state machine, dependency validation (43 edges), 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, parallel execution, 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, demonstrating production-grade backend pipeline orchestration and self-service tooling patterns.

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 backend-grade reliability guarantees.

Portfolio — Performance-Grade 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 & DevEx Architect — 2020 — Present
- **Infrastructure Reliability:** Designed a corpus of 2,349+ automated tests across 94 active repositories, ensuring integrity and preventing regressions in cross-organizational developer tooling and Ruby/Go backends.
- **Golden Path Orchestration:** Built CLI pipeline tools using Python and YAML schema validation, removing friction in research and synthesis workflows through self-service tooling patterns.
- **AI-Native Automation:** Architected multi-agent frameworks on Claude Agent SDK with structured tool invocation and self-correction protocols for production engineering workflows.
- **Systems Governance:** Engineered 128 GitHub Actions workflows on 18 reusable templates across 8 independent organizations, minimizing 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 concepts into accessible documentation and mentoring junior developers in technical rigor.

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 donor 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 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)