

Anthony James Padavano

SOFTWARE ENGINEER, DEVELOPER TOOLS & PRODUCTIVITY

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LINKS

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

PROFILE

Software engineer building developer tools, CI/CD infrastructure, and automated build systems in TypeScript and Python. Architect of a 103-repository system with 128 GitHub Actions workflows (18 reusable templates), 94 CI/CD pipelines, and automated dependency validation across 8 GitHub organizations. Builder of CLI tooling suites, YAML schema validation engines, and batch processing pipelines that increase developer productivity at scale. Full-Stack Developer (Meta). 18 years professional experience. LGBTQ+.

TECHNICAL SKILLS

TypeScript · Python · GitHub Actions · CI/CD · Docker · Node.js · CLI Tooling · YAML/JSON Schema · Git · Vitest · pytest · ruff · Zod · pnpm Monorepos · Vite · Express · React 18 · Nginx · GCP / Terraform · Redis · WebSocket

SELECTED PROJECTS

ORGANVM Eight-Organ System — 103-Repository Developer Infrastructure

8 GitHub organizations, 21K code files, 3.6K tests. 128 GitHub Actions workflows built on 18 reusable templates. 94 CI/CD pipelines with automated dependency validation (43 edges, 0 violations). Promotion state machine enforcing quality gates across the entire system.

Application Pipeline — CLI Tooling Suite

14 Python CLI tools sharing a common library: YAML pipeline state machine, batch processing, Greenhouse API client, 8-dimension scoring rubric, campaign orchestrator, submission preflight, velocity tracking. Designed for developer productivity and automation.

agentic-titan — Multi-Agent Orchestration System

TypeScript multi-agent framework: 18 development phases, 1,276 tests. Agent coordination, task decomposition, and parallel execution patterns engineered for reliability and developer productivity.

agent--claude-smith — Claude Agent SDK Integration

TypeScript agent built on Claude Agent SDK with session persistence, self-correction hooks, and structured tool invocation for autonomous multi-step software engineering tasks.

Portfolio — Astro 5 Static Site

Generative p5.js visual layer, D3.js data visualizations, Pagefind search, 20 case studies. CI/CD with quality ratchet governance.

EXPERIENCE

Independent Software Engineer & Developer Tools Builder

2020 — Present

- **CI/CD Infrastructure:** 128 GitHub Actions workflows (18 reusable templates), 94 CI/CD pipelines, automated dependency validation across 8 GitHub organizations. Build matrices, caching strategies, and quality gates at scale.
- **Developer Tooling:** Built 14 CLI tools sharing a common library — Greenhouse API integration, YAML schema validation, batch processing, campaign orchestration, scoring rubrics.
- **AI-Conductor Methodology:** 103-repository system governed by CLAUDE.md files and 32 AI agent definitions — human directs, AI generates, human reviews.
- **LLM Orchestration:** Multi-agent systems with Claude Agent SDK (agent--claude-smith) and agentic-titan framework (1,276 tests) — structured tool invocation and self-correction.

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. Clear technical communication, documentation, and mentoring.

Digital Marketing Manager

2023 — 2024

Miami Dade College Foundation (nonprofit)

- Rebuilt foundation website; designed campaigns increasing donor engagement by 32%.

Multimedia Specialist

2011 — 2020

AJP Media Arts — clients incl. Boca Ballet Theatre, Forward Funding, Arts in Boca

- Video, audio, and visual campaigns for nonprofits and arts organizations; 17.5M+ views, \$2M in fundraising.

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)