Anthony James Padavano

FULL-STACK DEVELOPER EXPERIENCE ENGINEER

New York City | 561-602-7300 | padavano.anthony@gmail.com

LINKS

Portfolio · GitHub · agentic-titan · ORGANVM System

PROFILE

Full-stack engineer building developer-facing infrastructure in TypeScript and Python — CLI tooling suites, API integration layers, CI/CD automation, and quality governance systems. Creator and sole architect of a 103-repository system across 8 GitHub organizations: 21K code files, 3.6K tests, 94 CI/CD pipelines, 128 GitHub Actions workflows (18 reusable templates), governed by CLAUDE.md files and automated validation. Built a 14-script Python CLI pipeline with Greenhouse API client, YAML state machines, and batch processing. Full-stack frontend work includes an Astro 5 site with p5.js generative canvas, D3.js data visualization, and Pagefind search. Full-Stack Developer (Meta). 18 years professional experience. MFA Creative Writing. 11 years college instruction, 2,000+ students. LGBTQ+.

TECHNICAL SKILLS

TypeScript · Python · React 18 · Node.js · Express · Zod · CI/CD · GitHub Actions · CLI Tooling · Docker · Git · Vitest · pytest · ruff · YAML/JSON Schema · Astro · Vite · pnpm Monorepos · p5.js · D3.js · Claude Agent SDK · WebSocket · Redis · Nginx · GCP / Terraform

SELECTED PROJECTS

ORGANVM Eight-Organ System — 103-Repository Developer Infrastructure

8 GitHub organizations, 21K code files, 3.6K tests, 94 CI/CD pipelines. 128 GitHub Actions workflows (18 reusable templates). CLAUDE.md governance in every repo. Automated dependency validation with 43 validated edges and zero circular dependencies. Promotion state machine (LOCAL → CANDIDATE → PUBLIC → GRADUATED). Cross-org quality gates and consistency enforcement. TypeScript + Python.

Application Pipeline — Full-Stack CLI Tooling Suite

14 independent Python CLI scripts sharing a common library (pipeline_lib.py). Greenhouse API client for form submission. YAML pipeline state machine with forward-only validation. 8-dimension scoring rubric, campaign orchestrator, submission preflight, batch enrichment, velocity tracking. Consistent CLI patterns: --target, --dry-run, --yes, --batch.

Portfolio — Astro 5 Full-Stack Site

Generative p5.js visual layer, D3.js data visualizations, Pagefind search indexing, 20 case studies. Design system built on CSS custom properties. CI/CD with quality ratchet governance — policy JSONs enforced by automated test assertions.

agentic-titan — Multi-Agent Orchestration System

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

agent--claude-smith — Claude Agent SDK Integration

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

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.
- **Developer Tooling:** CLI pipeline tools (scoring, drafting, submission, campaign orchestration), Greenhouse API integration, YAML schema validation, batch processing.
- **AI-Conductor Methodology:** Designed 103-repository system governed by CLAUDE.md files, AI agent definitions, and automated validation — human directs, AI generates, human reviews.
- **LLM Orchestration:** Multi-agent systems with Claude Agent SDK (agent--claude-smith), 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)