Anthony James Padavano

FORWARD-DEPLOYED ENGINEER & AI SOLUTIONS BUILDER

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

LINKS

Portfolio · GitHub · agentic-titan · ORGANVM System

PROFILE

Full-stack engineer building end-to-end AI-integrated systems with deep customer-facing communication experience. Creator of multi-agent orchestration frameworks, CLI pipeline tools, and automated infrastructure in Python and TypeScript — systems that coordinate research, identity mapping, LLM-powered content synthesis, validation, and API submission to external portals. 103 public repositories across 8 GitHub organizations, 21K code files, 3.6K tests, 94 CI/CD pipelines. 11 years college instruction teaching 2,000+ students: a decade of explaining complex concepts, diagnosing comprehension gaps, and adapting solutions in real time. Full-Stack Developer (Meta). 18 years professional experience. Based in NYC.

TECHNICAL SKILLS

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

SELECTED PROJECTS

Application Pipeline — End-to-End AI-Integrated Workflow System
Python CLI suite orchestrating research, scoring, identity mapping, LLM-powered content synthesis, validation, and API submission to external portals. 14 independent scripts sharing a common library. Greenhouse API client, 8-dimension scoring rubric, campaign orchestrator, YAML pipeline state machine, submission preflight, batch enrichment, velocity tracking.

agentic-titan — Multi-Agent Orchestration Framework
TypeScript multi-agent framework: 18 development phases, 1,276 tests. Agent coordination, task decomposition, error recovery, and parallel execution patterns. Structured for production reliability and extensibility in real-world deployment scenarios.

ORGANVM Eight-Organ System — 103-Repository Governance at Scale
8 GitHub organizations, 21K code files, 3.6K tests, 94 CI/CD pipelines. CLAUDE.md governance in every repo. 32 AI agent definitions. 128 GitHub Actions workflows (18 reusable templates). Automated dependency validation with 43 edges and zero violations, promotion state machine (LOCAL → CANDIDATE → PUBLIC → GRADUATED), cross-org coordination. TypeScript + Python.

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.

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
- **Developer Tooling:** CLI pipeline tools (scoring, drafting, submission, campaign orchestration), Greenhouse API integration, YAML schema validation, batch processing.
- **LLM Orchestration:** Multi-agent systems with Claude Agent SDK (agent--claude-smith), agentic-titan framework (1,276 tests), structured tool invocation and self-correction.
- **AI-Conductor Methodology:** Designed 103-repository system governed by CLAUDE.md files, AI agent definitions, and automated validation — human directs, AI generates, human reviews.
- **CI/CD Infrastructure:** 128 GitHub Actions workflows (18 reusable templates), 94 CI/CD pipelines, automated dependency validation across 8 GitHub 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. Clear technical communication, diagnosing comprehension gaps, and adapting explanations to diverse audiences in real time.

Digital Marketing Manager
2023 — 2024
Miami Dade College Foundation (nonprofit)
- Rebuilt foundation website; designed campaigns increasing donor engagement by 32%. Direct stakeholder communication translating organizational goals into technical deliverables.

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)