

Anthony James Padavano

APPLIED AI ENGINEER & SYSTEMS BUILDER

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LINKS

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

PROFILE

Full-stack engineer building applied AI systems with daily Claude usage across agentic pipelines, API integrations, and automated infrastructure in TypeScript and Python. Sole architect of 103 repositories across 8 GitHub organizations (21K files; 3.6K tests; 94 CI/CD pipelines; 32 AI agent definitions). Builder of agent--claude-smith (Claude Agent SDK) and agentic-titan (multi-agent orchestration, 1,276 tests). Full-Stack Developer (Meta). 18 years experience. MFA. LGBTQ+.

TECHNICAL SKILLS

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

SELECTED PROJECTS

agent--claude-smith — Claude Agent SDK Production Integration

TypeScript agent on Claude Agent SDK; session persistence, self-correction hooks, structured tool invocation, Zod schema validation. Built for autonomous multi-step engineering workflows.

Application Pipeline — AI-Powered Workflow Automation

Python pipeline: Greenhouse API client, 8-dimension scoring, campaign orchestration, YAML state machine, batch enrichment, velocity tracking, 14 scripts; CLI intake to API submission.

agentic-titan — Multi-Agent Orchestration Framework

TypeScript multi-agent framework; 18 phases, 1,276 tests. Agent coordination, task decomposition, parallel execution, fault tolerance.

ORGANVM Eight-Organ System — 103-Repository Governed Infrastructure

8 GitHub orgs; 21K files; 3.6K tests; 94 CI/CD pipelines; CLAUDE.md governance; 32 AI agent definitions. 128 Actions workflows (18 reusable). Promotion state machine; cross-org dependency validation. TS + Python.

Portfolio — Astro 5 Full-Stack 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 & Applied AI Builder

2020 — Present

- **Claude API & Agent Integration:** Built agent--claude-smith on Claude Agent SDK (session persistence, self-correction, structured tool invocation); daily Claude usage; CLAUDE.md governance across 103 repos.
- **Full-Stack Product Engineering:** Greenhouse API client; 8-dimension scoring; campaign orchestrator; YAML state machine — CLI intake to API submission with batch processing.
- **Multi-Agent Orchestration:** agentic-titan (1,276 tests, 18 phases): coordination, decomposition, parallel execution, fault tolerance. AI-conductor methodology: human directs, AI generates, human reviews.
- **CI/CD Infrastructure:** 128 GitHub Actions workflows (18 reusable templates); 94 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. Technical communication, documentation, 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)