

Anthony James Padavano

APPLIED AI ENGINEER & SYSTEMS BUILDER

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LINKS

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

PROFILE

Applied AI engineer building agentic systems, LLM-integrated pipelines, and automated infrastructure with Claude daily in TypeScript and Python. Sole architect of 103 repos across 8 GitHub orgs – 21K files, 3.6K tests, 94 CI/CD pipelines, governed by CLAUDE.md and 32 AI agent definitions. AI-conductor methodology: human directs, AI generates, human reviews with safety constraints. Full-Stack Developer (Meta). 18 yrs experience. MFA. 2,000+ students taught. LGBTQ+.

TECHNICAL SKILLS

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

SELECTED PROJECTS

agent--claude-smith — Claude Agent SDK Deployment

TypeScript agent on Claude Agent SDK; session persistence, self-correction hooks, structured tool invocation. Autonomous multi-step engineering tasks via agentic orchestration.

agentic-titan — Multi-Agent Orchestration Framework

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

Application Pipeline — AI-Integrated Workflow Automation

Python CLI suite: Greenhouse API client, AI-driven scoring, campaign orchestrator, YAML state machine, preflight, batch enrichment, velocity tracking, 14 scripts; common library.

ORGANVM Eight-Organ System — 103-Repository AI-Governed Infrastructure

8 GitHub orgs; 21K files, 3.6K tests, 94 CI/CD pipelines. CLAUDE.md governance + 32 AI agent definitions. Promotion state machine, dependency validation, cross-org coordination. TypeScript + Python.

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 & Applied AI Builder

2020 — Present

- **Claude Agent Systems:** Built agent--claude-smith (Claude Agent SDK; session persistence, self-correction, tool invocation) and agentic-titan (1,276 tests, 18 phases) — production LLM deployment patterns.
- **AI-Governed Infrastructure:** 103-repo system governed by CLAUDE.md + 32 AI agent definitions; safety constraints in governance-rules.json enforced on every merge.
- **AI-Integrated Tooling:** Python CLI: AI scoring, drafting, campaign orchestration; Greenhouse API, YAML validation, batch processing.
- **CI/CD:** 128 GitHub Actions workflows (18 reusable), 94 pipelines, automated dependency validation across 8 orgs.

Instructor — Composition & Writing

2015 — Present

Miami Dade College, Keiser University, Nova Southeastern, FAU, Young Harris, Tarrant County, Broward, Palm Beach State

- 100+ courses, 8 institutions, 2,000+ students. Technical communication and structured mentoring for diverse audiences.

Digital Marketing Manager

2023 — 2024

Miami Dade College Foundation (nonprofit)

- Rebuilt website; campaigns increased donor engagement 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)