Anthony James Padavano

AI DEVELOPER EXPERIENCE & SDK INTEGRATION ENGINEER

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LINKS

Portfolio · GitHub · agentic-titan · ORGANVM System

PROFILE

Developer experience engineer building AI-integrated CLI tools, SDK integrations, and multi-agent orchestration systems in TypeScript and Python. Built agent--claude-smith on the Claude Agent SDK with session persistence, structured tool invocation, and self-correction hooks. Creator and sole architect of a 103-repository system across 8 GitHub organizations — every repo governed by a CLAUDE.md onboarding document, 810K+ words of documentation, 94 CI/CD pipelines, and 32 AI agent definitions. Active LLM API consumer shipping structured prompt pipelines, answer validation, and portal-specific submission modules against Greenhouse and Ashby APIs daily. Full-Stack Developer (Meta). 18 years professional experience. 11 years college instruction, 2,000+ students. LGBTQ+.

TECHNICAL SKILLS

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

SELECTED PROJECTS

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. CLAUDE.md-governed onboarding for developer navigability in under 60 seconds.

agentic-titan — Multi-Agent Orchestration Framework
TypeScript multi-agent framework: 18 development phases, 1,276 tests. Agent coordination, task decomposition, and parallel execution patterns. Built on LLM API calls with structured handling of latency variance, output unpredictability, and retry logic.

Application Pipeline — Developer Tooling Suite
14-script Python CLI suite: LLM-driven content synthesis, Greenhouse and Ashby API clients, 8-dimension scoring rubric, YAML state machine, campaign orchestrator, submission preflight, batch enrichment. Composable tools sharing a common library with structured prompt pipelines and validated outputs.

ORGANVM Eight-Organ System — 103-Repository Developer Infrastructure
8 GitHub organizations, 21K code files, 3.6K tests, 94 CI/CD pipelines. CLAUDE.md governance in every repo — 810K+ words of developer documentation. 128 GitHub Actions workflows (18 reusable templates). Automated dependency validation, promotion state machine, 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 & Developer Tools Builder
2020 — Present

- **LLM Orchestration:** Multi-agent systems with Claude Agent SDK (agent--claude-smith), agentic-titan framework (1,276 tests), structured tool invocation, self-correction hooks, and prompt pipelines against LLM APIs.
- **Developer Tooling:** 14-script CLI pipeline (scoring, drafting, submission, campaign orchestration), Greenhouse and Ashby API integration, YAML schema validation, batch processing — composable tools designed to reduce developer friction.
- **AI-Conductor Methodology:** Designed 103-repository system governed by CLAUDE.md files, 810K+ words of documentation, 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. 11 years identifying where understanding breaks down and fixing the interface at that point — the same skill that drives effective API documentation and developer onboarding.

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)