Anthony James Padavano

SOFTWARE ENGINEER, CLI & DESKTOP TOOLING

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LINKS

Portfolio · GitHub · agentic-titan · ORGANVM System

PROFILE

Software engineer building CLI developer tools, cross-platform desktop applications, and automated infrastructure in TypeScript and Python. Architect of a 103-repository system spanning 8 GitHub organizations — 21K code files, 3.6K tests, 94 CI/CD pipelines with platform-aware build configurations. Builder of Claude Agent SDK integrations with session persistence and structured tool invocation for autonomous engineering workflows. Experienced with Node.js process management, filesystem operations, and cross-platform compatibility concerns. Full-Stack Developer (Meta). 18 years professional experience. LGBTQ+.

TECHNICAL SKILLS

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

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SELECTED PROJECTS

Application Pipeline — CLI Tooling Suite
14 Python CLI tools sharing a common library: Greenhouse API client, YAML pipeline state machine, campaign orchestrator, 8-dimension scoring rubric, submission preflight, batch enrichment. Process management, filesystem operations, and cross-platform path handling throughout.

ORGANVM Eight-Organ System — 103-Repository Infrastructure
8 GitHub organizations, 21K code files, 3.6K tests, 94 CI/CD pipelines. 128 GitHub Actions workflows (18 reusable templates) with platform-aware build matrices. Automated dependency validation and promotion state machine.

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 with process lifecycle management.

agentic-titan — Multi-Agent Orchestration System
TypeScript multi-agent framework: 18 development phases, 1,276 tests. Agent coordination, task decomposition, and parallel execution patterns engineered for reliability.

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 & CLI Tools Builder   2020 — Present
- **Developer Tooling:** Built 14 CLI tools (Python) with process management, filesystem operations, API integration (Greenhouse), YAML schema validation, and batch processing across multiple platforms.
- **CI/CD Infrastructure:** 128 GitHub Actions workflows (18 reusable templates), 94 CI/CD pipelines with platform-aware build configurations, automated dependency validation across 8 GitHub organizations.
- **LLM Agent Integration:** Multi-agent systems with Claude Agent SDK (agent--claude-smith) and agentic-titan framework (1,276 tests) — session persistence, structured tool invocation, self-correction.
- **AI-Conductor Methodology:** 103-repository system governed by CLAUDE.md files and 32 AI agent definitions — human directs, AI generates, human reviews.

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)