

Anthony James Padavano

DEVELOPER EXPERIENCE & DESIGN SYSTEMS ENGINEER

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LINKS

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

PROFILE

Developer experience engineer building design systems, documentation infrastructure, and automated quality governance in TypeScript and Python. Creator and sole architect of a 103-repository system across 8 GitHub organizations — component-driven design token architecture (CSS custom properties), CLAUDE.md documentation standards in every repo, 94 CI/CD pipelines enforcing automated quality gates, and a quality ratchet system that commits policy JSONs and validates them through automated tests. Full-Stack Developer (Meta). TypeScript strict mode across all TS projects. 21K code files, 3.6K tests, 810K+ words of documentation. 18 years professional experience. MFA Creative Writing. LGBTQ+.

TECHNICAL SKILLS

TypeScript · React 18 · CSS / Design Tokens · Vitest · Astro · Node.js · Vite · pnpm Monorepos · p5.js · D3.js · GitHub Actions · CI/CD · CLI Tooling · Python · Docker · Git · Zod · Playwright · YAML/JSON Schema · Claude Agent SDK · WebSocket · GCP / Terraform

SELECTED PROJECTS

Portfolio — Component-Driven Design System & Quality Governance

Astro 5 static site with CSS custom properties as design token layer — semantic variables for dark theme, gold accent, burnt sienna hover states. Full-page p5.js generative canvas (3 intensity modes) composited via z-index layering. Quality ratchet: policy JSONs committed to .quality/ directory, validated against README values through automated tests. Deploy gate triggers only on quality pipeline success. Pagefind search, Vitest unit tests, Playwright E2E, accessibility validation. 20 case studies, D3.js data visualizations.

ORGANVM Eight-Organ System — Documentation-First Developer Infrastructure

103 repositories across 8 GitHub organizations with CLAUDE.md governance in every repo — build commands, architecture notes, navigation protocols, and dependency declarations. 128 GitHub Actions workflows (18 reusable templates), 94 CI/CD pipelines, 43 validated dependency edges with zero circular dependencies. Automated promotion state machine (LOCAL → CANDIDATE → PUBLIC → GRADUATED). seed.yaml metadata contracts. 810K+ words of documentation. TypeScript + Python.

Application Pipeline — DX-Focused CLI Tooling Suite

14 independent Python CLI tools sharing a common library (pipeline_lib.py): Greenhouse API client, YAML pipeline state machine, 8-dimension scoring rubric, campaign orchestrator, submission preflight, batch enrichment, velocity tracking. Consistent CLI patterns, helpful error messages, and structured output across all tools.

agentic-titan — Multi-Agent Orchestration System

TypeScript multi-agent framework: 18 development phases, 1,276 tests. Agent coordination, task decomposition, and parallel execution patterns. Structured for extensibility and reliability.

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.

EXPERIENCE

Independent Software Engineer & Developer Experience Builder

2020 — Present

- **CI/CD Infrastructure:** 128 GitHub Actions workflows (18 reusable templates), 94 CI/CD pipelines, automated dependency validation across 8 GitHub organizations. Quality ratchet governance: policy JSONs validated through automated tests, deploy gates enforcing pipeline success.
- **Developer Tooling & Documentation:** CLAUDE.md documentation standards in every repo (build commands, architecture notes, navigation protocols). 14 CLI tools with consistent patterns, structured output, and helpful error messages. seed.yaml metadata contracts across 103 repositories. 810K+ words of documentation.
- **Design System Architecture:** Component-driven front-end with CSS custom properties as design token layer — semantic variables, dark theme system, generative p5.js canvas with 3 intensity modes. Astro 5 build pipeline with Vitest, Playwright E2E, accessibility validation, and Pagefind search indexing.
- **LLM Orchestration:** Multi-agent systems with Claude Agent SDK (agent--claude-smith), agentic-titan framework (1,276 tests), structured tool invocation and self-correction.

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
B.A. English Literature, CUNY College of Staten Island

2015 — 2018
2010 — 2014

CERTIFICATIONS

Full-Stack Developer, Meta (2024) · UX Design, Google (2023) · Digital Marketing, Google (2023) · Project Management, Google (2023)