

# ***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) composed 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.

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## 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

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**CERTIFICATIONS**

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