Anthony James Padavano

Systems Architect / Backend Lead

ENGINEERING RIGOR & LOGOCENTRIC ARCHITECTURE

New York City / padavano.anthony@gmail.com (mailto:padavano.anthony@gmail.com) /

LinkedIn (https://linkedin.com/in/anthony-james-padavano-98a40a186/) / Portfolio

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PROFESSIONAL SUMMARY

Expert in complex system reliability. Built a symbolic OS with a custom DSL and 1,254 tests (85% coverage). Orchestrated a 91-repo fleet with automated dependency validation and zero back-edge violations.

I apply the rigor of linguistic analysis and narrative theory to software architecture. I specialize in building highly reliable systems, custom domain-specific languages (DSLs), and automated governance frameworks for massive repository ecosystems.

CORE TECH STACK

Python | Hexagonal Architecture | DSL Design | PostgreSQL | Terraform | Systems Thinking

LEADERSHIP & STRATEGIC IMPACT

- **Mentorship:** Directed the academic growth of 2,000+ students across 100+ courses, applying UX principles to learning systems.
- **Fiscal Responsibility:** Raised $2M in project funding and delivered a 328% ROI on major digital transformation initiatives.
- **Scale:** Managed 100+ concurrent multimedia and construction projects from concept to production-grade delivery.

EVIDENCE OF TECHNICAL IMPACT

Recursive Engine (RE:GE)

recursive-engine--generative-entity (https://github.com/ORGAN-I/recursive-engine--generative-entity)

Impact: Developed a symbolic OS in Python featuring an external DSL and a custom interpreter. Achieved 85% code coverage across 1,254 tests, formalizing narrative principles as structural primitives.

THEORY PYTHON DSL

Orchestration Hub

orchestration-start-here (https://github.com/ORGAN-IV/orchestration-start-here)

Impact: Engineered the central nervous system for a 170+ repository ecosystem. Automated dependency validation (31 unique edges) and implemented a machine-readable governance registry.

GOVERNANCE PYTHON SYSTEMS

Omni-Dromenon Engine (Metasystem Master)

metasystem-master (https://github.com/ORGAN-II/metasystem-master)

Impact: Architected a distributed monorepo for real-time performance systems. Integrated Python core engines with TypeScript SDKs, providing a unified API for audience-participatory applications.

ART TYPESCRIPT PYTHON ARCHITECTURE

Public Record Data Scraper

public-record-data-scrapper (https://github.com/ORGAN-III/public-record-data-scrapper)

Impact: Built a production UCC data pipeline with 60+ collection agents. Implemented Terraform-managed AWS infrastructure and a 2,055+ test suite for high-reliability data extraction.

COMMERCE PYTHON AWS TERRAFORM

PROFESSIONAL HISTORY

Independent Creative Technologist

2021 — Present

Designed and launched the eight-organ orchestration system coordinating 170+ repositories across 8 GitHub organizations. Built recursive-engine.

Digital Marketing Manager

2023 — 2024

Miami Dade College Foundation

- Designed and executed digital campaigns increasing donor engagement by 32%.
- Rebuilt foundation website — 38% traffic growth, 22% improvement in donation conversions.
- Produced multimedia storytelling content driving 28% increase in click-through rates.
- Developed social media strategy boosting engagement rates across platforms by 23%.

Multimedia Specialist & Lead Developer

2011 — Present

AJP Media Arts

- Architected and deployed video, audio, and visual systems achieving 17.5M+ views and $2M in revenue.
- Integrated high-performance SEO and paid media strategies achieving 290% ROI.
- Developed and managed client web infrastructure with 42% engagement increase.
- Engineered intuitive UI/UX patterns — 26% satisfaction increase, 35% retention improvement.

Instructor (Systems & Rhetoric)

2015 — Present

Various Institutions (MDC, FAU, Nova)

- Designed and delivered 100+ courses to 2,000+ students, applying UX principles to pedagogical architecture.
- Translated complex theoretical frameworks into actionable learning protocols with a 92% approval rating.
- Optimized student retention by 24% through performance-data-driven instructional iterations.

Project Manager

2007 — 2018

Majestic Design

- Led 50 commercial and residential construction projects from concept to completion.
- 90% on-time and within budget delivery.
- Collaborated with marketing teams on 3D renderings and video walkthroughs.

EDUCATION

M.F.A. Creative Writing
Florida Atlantic University
2015 — 2018

B.A. English Literature

CUNY College of Staten Island
2010 — 2014

CERTIFICATIONS

Meta Full-Stack Developer (2023 — 2024)
Google UX Design (2022 — 2023)
Google Digital Marketing & E-commerce (2022 — 2023)
Google Project Management (2022 — 2023)

This resume is a market-aligned view of a Logocentric Architecture.

View Visionary Polymath Version 🕮

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Anthony James
Padavano