



# SeanTraneSciarrone

Technology Engineering Leader in Architecture, Security, Automation, AI, DX, CI/CD, Innovation, Growth

*Multidisciplinary technology leader of teams building secure, high-performance platforms. A rare combo of technical depth to architect complex systems, innovative creativity for product design, and business fluency to bridge the gaps between deep technical execution, executive strategy, and organizational resilience.*

## Experience

### Director, Cloud Engineering & Operations

2021-2026

Taylor & Francis Group, *New York, NY, US*

### Delivery & Technology Lead, 2018–2021

Taylor & Francis Group, *New York, NY, US*

### Tech Lead, 2016–2018

Taylor & Francis Group, *New York, NY, US*

### Senior Engineer, 2015–2016

Taylor & Francis Group, *New York, NY, US*

### Webmaster, 2007–2015

Taylor & Francis Group, *New York, NY, US*

### Director / Co-founder, 2001–2010

Digital Entropy, *Nyack, NY, US*

### Webmaster, 2003–2007

Lawrence Erlbaum Associates, *Mahwah, NJ, US*

### Media Designer/Developer, 1999–2001

Net2Phone, *Newark, NJ, US*

### Media Designer/Developer, 1998–1999

Pearson Education / Prentice Hall,  
*Upper Saddle River, NJ, US*

### Art Director, 1998–1999

Creative Solutions, Inc., *Hackensack, NJ, US*

## Education

### Publishing Course for Professionals, 2009

Stanford University, *Stanford, CA, US*

### Assoc. Degree in Visual Communications, 1997

The Art Institute of *Fort Lauderdale, FL, US*

### Computer Graphics, 1995

Montclair State University, *Montclair, NJ, US*

## Core Competencies

**Technology Vision & Strategy:** Long-range roadmapping, emerging technology evaluation, innovation portfolio management, and aligning technology investment with business outcomes.

**AI & Intelligent Systems Leadership:** End-to-end AI strategy, LLM integration, agentic workflow design, AI governance, and operationalizing AI to drive efficiency, revenue, and customer value.

**Engineering Excellence:** Full-stack development, DevSecOps, solutions architecture, platform engineering, and developer experience optimization.

**Security & Resilience:** Zero-trust architecture, supply chain security, cybersecurity risk management, compliance readiness, and AI threat surface awareness.

**Delivery & Execution:** Agile, SAFe, Lean Six Sigma, driving OKRs and engineering KPIs across distributed, cross-functional teams.

**People Leadership & Talent Development:** Engineering team building, performance management, mentorship, and fostering psychological safety and continuous learning.

**Cross-Functional Collaboration:** Executive stakeholder communication, product partnership, FinOps, and bridging technical strategy with go-to-market goals.

**ESG & Responsible Technology:** Carbon-aware infrastructure, sustainable architecture, and embedding ethical practices into engineering culture and governance.

**Creative & Product Direction:** UX/UI design, branding, identity systems, and bridging engineering leadership with customer experience and product storytelling.

**Music Production & Pro Audio Engineering:** Recording, mixing, mastering, sound design, and studio and live audio production.

## Technical Expertise

**AI, Automation & Intelligent Systems:** LLM orchestration (OpenAI, Anthropic, Gemini), multi-agent frameworks, prompt engineering, AI-augmented CI/CD, and AI governance.

**Cloud & DevOps:** AWS, GCP, Azure, Cloudflare, Docker, Kubernetes, Terraform, ArgoCD, GitHub Actions, GitLab CI/CD, with FinOps and cloud-native security.

**Cybersecurity & DevSecOps:** Zero-trust architecture, OWASP, SAST/DAST, secrets management, supply chain security, IAM, and compliance readiness.

**Data Engineering & Observability:** GraphQL, Apache Kafka, data pipelines, OpenTelemetry, Datadog, Prometheus/Grafana, data-informed decision making at scale.

**Languages:** JavaScript, TypeScript, Python, Java, PHP, Ruby, Go, Elixir, Bash, SQL.

**Frameworks & Platforms:** React, Next.js, Vue, Node.js, Express, Ruby on Rails, FastAPI, Serverless, MuleSoft, Spring.

**Standards & APIs:** REST, GraphQL, OAS/OpenAPI, OAuth, OIDC, JWT, JSON-LD, Schema.org, WebSockets, SEO.

**Quality & Testing:** TDD/BDD, AI-assisted code review, Playwright, Cypress, Jest, Postman, k6, Sonar, and load testing.

**Content & Collaboration:** Confluence, Notion, WordPress, Shopify, Jira, GitHub, Linear, Slack, Figma, Miro, Lucidchart, Trello.

**Systems:** macOS, Linux (Alpine, Debian/Ubuntu, Red Hat/Fedora), Windows, iOS.

**Pro Audio & Music Production:** Logic Pro, MIDI sequencing, mixing, mastering, sound design, music composition, and podcast and broadcast production.