

JOSE E. MATTEO, MBA, MSEE, PMP, CSM

System Architect / Technical Program Manager / Founder – AI-Driven Project & Risk Systems

Miami–Fort Lauderdale, FL • Open to Remote/Relocation • **LinkedIn:**

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Professional Summary

System Architect and Technical Program Manager with 12+ years delivering complex hardware–software systems and leading multimillion-dollar programs across regulated and SaaS environments. Founder of **Pulse Innovations**, developer of **AnisPulse**, an AI-driven project-risk analytics platform that unifies deterministic CPM scheduling with stochastic **PDE / Monte Carlo / SDE** simulation engines. Expert at bridging architecture, data modeling, and delivery to improve forecast accuracy, throughput, and compliance. Bilingual (English/Spanish).

Core Competencies

Architecture & System Design • Agile/Waterfall Delivery • Simulation & Risk Analytics (PDE/MC/SDE) • Full-Stack (FastAPI, React/Next.js, TypeScript, MongoDB) • Data Visualization & Gantt Systems • Cloud Deployment (Vercel) • SDLC/PLM • FDA/ISO (13485/14971/60601/62304) • Azure DevOps/JIRA • Financial Governance (\$0.5M–\$6M)

Professional Experience

Pulse Innovations — Founder / System Architect | 2024–Present

- Conceived and launched **AnisPulse**, a predictive risk analytics platform combining deterministic CPM with stochastic PDE/Monte Carlo/SDE engines for schedule-outcome forecasting.
 - Architected full-stack SaaS (**FastAPI** | **Next.js** | **MongoDB Atlas**) with modular analytics engines, caching, and export-safe Gantt visualizations.
 - Designed diffusion-based delay modeling; increased completion-time forecast accuracy **>20%** in benchmark validations; established automated validation harness and audit-trail persistence.
 - Drove roadmap, branding, and technical content strategy; increased technical audience engagement **200%** through hands-on posts and demos.
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Q'Straint — Project Manager (Contract) | 2024–2025 | Fort Lauderdale, FL

- Managed **\$2.8M** across four Agile programs (vehicle safety/accessibility) with **SAE J2249**, **FMVSS**, **ADA** compliance; coordinated HW/SW/QA/regulatory.
- Reduced time-to-market **20%** through sprint optimization and AI-assisted documentation; achieved **100%** regulatory approval across three product lines

Jenoptik Inc. — Senior Project Manager | 2023–2024 | Miami, FL

- Led multi-country deployment of traffic-safety systems; owned Agile/SCRUM delivery in **Azure DevOps**.
- Boosted engineering throughput **40%** by automating backlog metrics and tightening refinement/estimation.
- Managed 7-person cross-discipline team (HW+SW) to improve deployment speed and release quality.

Anton Paar Quantatec — Senior Project Manager / System Architect | 2021–2023 | Boynton Beach, FL

- Delivered two precision diagnostic instruments from concept→market (**\$6M** total budgets); cut schedule slip **25%** via WBS discipline and risk workshops.
- Unified firmware/hardware/UI architecture, reducing cross-domain defects **20%**; products achieved **93%** customer satisfaction and **\$4.2M** first-year revenue.

Beckman Coulter Diagnostics (Danaher) | 2013–2021 | Miami, FL

Senior Systems Engineer (2017–2021) —

- Led 10+ regulated Phase-Gate projects; reduced failure rates 15% via Lean Six Sigma; SME for urinalysis platforms coordinating E/M/FW/SW integration.

Systems Engineer (2013–2017) —

- Built field-reliability analytics across **2,800+** instruments (Power BI/R/Excel) → **20%** service-cost reduction; drove lifecycle management and post-market surveillance.

Education

MBA, Florida Atlantic University (2021)

M.S., Electrical Engineering, Florida International University (2015)

B.S., Biomedical Engineering (Minor: Physics), Florida International University (2010)

Certifications

PMP — PMI #3842655 (Active to 2027) • **CSM** — Scrum Alliance #001734499 (Active to 2027)

Technical Skills

Languages/Tools: Python (Pandas, Plotly, scikit-learn), TypeScript, FastAPI, React/Next.js, MongoDB Atlas, Chart.js, Git/GitHub, Azure DevOps, JIRA, Asana, Smartsheet, ClickUp

Methods: Agile/SCRUM, Waterfall, Lean/Six Sigma, SDLC/PLM, FDA/ISO

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