**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:** [linkedin.com/in/josematteo](http://linkedin.com/in/josematteo) | **GitHub Portfolio:** [josematteochevalier.github.io/technical-portfolio](https://josematteochevalier.github.io/technical-portfolio/)• j.e.matteo.chevalier@gmail.com • 786-978-0090**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.

**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 13485/14971/60601/62304