

Jeff Daniels, PhD

ENTERPRISE TECHNOLOGY, DIGITAL & INNOVATION EXECUTIVE

Technology Strategy | Enterprise Operations | AI Transformation | Business Value

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linkedin.com/in/jeffdaniels | Active Secret Clearance | C|CISO

EXECUTIVE PROFILE

Enterprise technology and digital executive who translates emerging technologies into enterprise capabilities and measurable business value. Leads a 300+ person global organization with accountability for a \$190M operating and capital budget. Created Lockheed Martin's Software Factory concept and partnered with AWS to scale the Intelligent Factory Framework across 40+ global factories. Connects business strategy, technology investment and operational execution across engineering, manufacturing and sustainment. Develops technical and executive leaders and partners with business leaders, Finance and technology providers to scale innovation in complex, regulated environments.

Career impact, 2021-2026: Delivered **25.6 million realized hours saved** through robotic process automation (RPA), AI and automation, equivalent to **\$3.35B in productivity value toward the \$14B savings target** in the 1LMX business case. Hours evaluated quarterly and approved by Finance; **briefed the business case to the Board of Directors.**

PROFESSIONAL EXPERIENCE

Managing Director | AI, Automation & Technology Office

Lockheed Martin | Fort Worth, TX | 2023-Present

Report to the **Chief Digital Innovation Officer & CISO**, leading **Enterprise Business Digital Technology** through **eight direct reports**. Hold decision authority for automation, GenAI, edge computing and Technology Office/Ventures. Oversee **100+ applications** supporting a **\$6B+ program portfolio**; maintain budget variance below 1%.

- **Redesigned the technology operating model** around Forward Deployed Engineering and agent orchestration; lead embedded teams accountable for production deployment and workflow economics.
- **Established enterprise AI governance** covering model selection, evaluation and deployment controls in classified and export-controlled environments; integrated these controls into manufacturing applications.
- **Delivered 1,100% ROI with AWS (2021-2025)**, moving the Intelligent Factory Framework from concept to production. Integrated edge computing, secure connectivity and overall equipment effectiveness (OEE), enabling CMMC compliance and "design once, build anywhere" operations.
- **Shaped investment priorities:** Partnered through the Technology Office to inform venture strategy across AI, autonomy, quantum computing, edge computing, and advanced materials as fund capacity expanded from \$400M to \$1B.
- **Career talent development:** promoted nine Fellows and five leaders to Director and Vice President roles; built a citizen innovation program that certified 600+ practitioners.

Engineering and Manufacturing Applications Director

Lockheed Martin | Fort Worth, TX | 2019-2022

- **Created the Software Factory concept for Lockheed Martin** by unifying reusable code, infrastructure automation, containerization and embedded security into a DevSecOps model for faster, lower-cost software delivery across programs.
- **Increased automation savings 24% from 2020 to 2022** by leading the Financial AI Services Team (FAST) in delivering RPA solutions across finance, accounting, insurance and production operations.
- **Defined model-based enterprise strategy** and delivered an interoperability framework connecting engineering, manufacturing and sustainment data.
- **Aligned industrial partnerships with PTC, Siemens, Ansys and Dassault;** led Production Council engagement with Ford Digital Innovation, John Deere and the National Institute for Aviation Research.

PROFESSIONAL EXPERIENCE CONTINUED

Senior Manager, Application Services

Lockheed Martin Aeronautics | Fort Worth, TX | 2014-2019

Led a **100+ application portfolio and \$12M budget** spanning DevOps, hybrid cloud, automation and operational technology integration.

- **Reduced F-35 sustainment process turnaround 85%, from 20 days to 3 days**, through data integration and process automation.
- **Established enterprise cloud strategy** across AWS, Azure and GovCloud; delivered a digital ledger capability supporting supply chain integrity and traceability.

Chief Engineer / Systems Architect / Performance Computing Lead

Defense Programs | Orlando, FL | Before 2014

- Led enterprise architecture, systems engineering and high-performance computing across F-35, C-130J, C-5, F-22, F-16, JASSM and National Reconnaissance Office programs.
- Built external-facing SaaS platforms, identity management systems and cybersecurity infrastructure for classified and unclassified environments.

LEADERSHIP AND TECHNOLOGY EXPERTISE

Enterprise leadership: Technology strategy, operating model transformation, financial management, application portfolio leadership, IT governance, strategic partnerships and organizational change.

Digital and AI: Production large language models, agent orchestration, evaluation frameworks, process mining, data integration, digital thread and model-based enterprise.

Platforms and risk: Enterprise architecture, hybrid cloud, industrial IoT, OT/IT integration, DevOps, identity management, zero-trust architecture and supply chain resilience.

ACADEMIC, ADVISORY AND INDUSTRY LEADERSHIP

Professor of Technology Management, Graduate School | University of Maryland Global Campus (UMGC) | 2011-Present

Advisory boards: University of Central Florida; Robert Morris University; Operations Science Institute; Florida Institute of National Security.

Industry engagement: ACM Senior Member and Lockheed Martin Corporate Liaison; Forbes Technology Council; IEEE.

Mentorship: Mentor military veterans transitioning to the civilian workforce through American Corporate Partners (ACP).

EDUCATION AND CREDENTIALS

PhD, Management of Technology | Indiana State University

MS, Technology Management | Rensselaer Polytechnic Institute

BS, Computer Science / Management Information Systems | University of Central Florida

Executive education: Digital and Business Transformation, IMD; Strategy, Columbia University.

Certifications: Certified Chief Information Security Officer (C|CISO); Security+; AWS Cloud.

SELECTED PUBLICATIONS AND RECOGNITION

Building the Factory of the Future With the Industrial Internet of Things (IEEE, 2022); *Internet of Things in Business Transformation* (Wiley book chapter, 2020).

Research: scholar.google.com/citations?user=09YXKIQAAAAJ

Recognition: Dallas 500 Innovative Leaders; Lockheed Martin NOVA Award, Business Continuity & Resiliency; Lockheed Martin Excellence Award, Intelligent Factory.