

Connor K. Moore

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U.S. Secret Security Clearance (Active)

EDUCATION

University of Iowa

Masters in Business Administration (MBA), Business Analytics

Iowa City, IA

Jan 2020 – Aug 2023

Purdue University

Bachelor of Science, Industrial Engineering

West Lafayette, IN

Sep 2015 – Jan 2019

EXPERIENCE

Technical Program Manager - Principal Systems Engineer

Collins Aerospace

Apr 2025 – Present

Cedar Rapids, IA

- Lead technical execution for a \$5M+ labor program, utilizing **MBSE (Cameo Systems Modeler)** to architect modular open systems (SOSA™/VPX) for autonomous maritime and aerial platforms.
- Enforced a funding strategy separating internal vs. program funding to retain IP and align with **FAR Part 12**, enabling commercial-style recurring revenue streams and higher margins.
- Accelerated timeline by 6 months by pioneering a "Prime-as-Architect" model; retained core system ownership while subcontracting high-risk design phases to vendors with next-gen tech access.
- Negotiated three firm-fixed-price SOWs to mitigate high-risk R&D (forecasted 40% overrun) while optimizing in-house workflows to maintain a <5% cost variance.
- Reduced operational cost by 50% by strategically investigating manufacturing sites capabilities, improving process (Lead free control, underfill) and ultimately transitioning manufacturing to a new site.

Technical Program Manager - Senior Systems Engineer

Collins Aerospace

Dec 2022 – Apr 2025

Cedar Rapids, IA

- Secured **\$12M in contracts** over 2 years by acting as the primary technical interface for NATO, Taiwan, and US Armed Forces customers during business capture and requirements definition.
- Led a cross-functional team of 5 Systems Engineers and 4 Software Squads (C#) to deliver two mission-critical releases, overseeing MIL-STD environmental qualification and integrating feedback from field operators.
- Automated qualification test events using **Python**, reducing manual troubleshooting time and ensuring high-fidelity data collection for system certification.

Integration Lead - Systems Engineer

Collins Aerospace

May 2019 – Dec 2022

Cedar Rapids, IA

- Provided on-site integration support for 12+ international platforms, resolving complex RF and waveform configuration issues on diverse military assets while maintaining strict export compliance with **USML/EAR**.
- Developed core manufacturing expertise in X-Ray inspection, AOI, and flying probe testing.

PROJECTS

Agile Standardization | JIRA, SAP, MS Project, Ceptah Bridge

May 2023 – Present

- Pioneered the adoption of Ceptah Bridge to link JIRA burn-down velocity directly to SAP time-charging, creating a real-time data link between engineering effort, budget health, and customer commitments.

Test Robustness Improvement | Python, C#, SQL, Linux

Jun 2023 – Oct 2024

- Designed a software-driven recovery tool to salvage software-failed units, reducing product returns by 51% and saving ~\$20k per unit in rework costs by restoring "bricked" hardware to factory state.

Home Lab & AI Prototyping | Computer Vision, Proxmox, Raspberry Pi

Personal

- Built a virtualized home lab environment using Proxmox and developed a pan-tilt AI object detection system using Raspberry Pi and computer vision libraries.

TECHNICAL SKILLS

Hardware/Standards: SOSA™, VPX, MBSE, FAR Part 12, TINA ITAR/EAR, RF Systems

Tools & Frameworks: Cameo Systems Modeler, JIRA/Agile, MS Project, SAP, Power BI, DOORS, Git, VS Code

Technical Literacy: Python (Automation), SQL (Analytics), C#, HTML/CSS, Linux