

EXECUTIVE PROFILE

Engineering Manager with 10+ years of experience delivering mission-critical software for aerospace and defense systems. Promoted through successive software and leadership roles at Curtiss-Wright, combining hands-on technical depth with people leadership, customer engagement, Agile execution, and business-focused decision making. Experienced in modernizing legacy .NET applications, improving engineering execution, and mentoring engineers. Regularly partner across software, embedded, FPGA, Systems Integration Lab (SIL), and customer support teams to provide reliable software solutions. MBA-trained leader with active Top Secret clearance.

LEADERSHIP IMPACT

- Promoted from Software Engineer to Senior Software Engineer, Supervisor, and Engineering Manager over a 10+ year career at Curtiss-Wright.
- Promoted from Software Engineer to Senior Software Engineer, Software Engineering Supervisor, and Software Engineering Manager over a 10+ year career at Curtiss-Wright.
- Lead software engineering execution for quarterly releases supporting flight test and data acquisition products in aerospace and defense customers.
- Improved delivery predictability by approximately 25% through stronger backlog refinement, sprint planning, capacity planning, and estimation discipline.
- Reduced engineering delivery costs by approximately 20% through process improvement, resource planning, and team execution improvements.
- Lead engineering staffing efforts, intern recruitment, onboarding, mentorship, and team development for current and future technical talent.

CORE COMPETENCIES

Engineering Leadership | Software Delivery | Agile/Scrum | Software Development Life Cycle (SDLC) | Technical Strategy | Cross-Functional Leadership | People Management | Hiring & Mentoring | Performance Feedback | Customer Engineering Reviews | Software Modernization | Resource Planning | Process Improvement | Defense & Aerospace Systems

PROFESSIONAL EXPERIENCE

Software Engineering Manager | Curtiss-Wright - Newtown, PA

2026 - Present

- Lead a software and test engineering team delivering mission-critical flight test and data acquisition applications for aerospace and defense customers.
- Own team execution across quarterly software releases, coordinating sprint planning, resource allocation, delivery priorities, and stakeholder communication.
- Partner with senior leadership, embedded engineering, systems engineering, test, and customer stakeholders to deliver multi-disciplinary software solutions.
- Manage engineering staffing activities including intern recruitment, onboarding, mentorship, and development planning.
- Improve engineering efficiency through clearer planning, stronger ownership, and process refinement, reducing delivery costs by approximately 20% while maintaining release commitments.

Software Engineering Supervisor | Curtiss-Wright - Newtown, PA

2022 - 2026

- Supervised and mentored software engineers, providing technical direction, performance feedback, career development, and day-to-day execution support.
- Led modernization of legacy WinForms and Microsoft Access applications toward more scalable .NET-based architectures.
- Served as a primary technical liaison in customer engineering reviews, translating mission requirements into practical software delivery plans.
- Improved sprint predictability by approximately 25% through backlog grooming, capacity planning, estimation improvements, and Agile team discipline.
- Coordinated software development across engineering functions to support complex aerospace product requirements and customer commitments.

Senior Software Engineer | Curtiss-Wright - Newtown, PA

2020 - 2022

- Led software integration across multiple product lines, collaborating with cross-functional teams to improve system interoperability and customer deployment readiness.
- Designed and implemented configurable .NET application capabilities supporting new aerospace customer deployments and product adaptability.
- Developed proprietary database migration tools that supported multi-million-dollar aerospace contracts.

Software Engineer | Curtiss-Wright - Newtown, PA

2015 - 2020

- Modernized legacy WinForms applications using MVC design principles, improving maintainability, scalability, and long-term supportability.
- Optimized XML schema validation pipelines to improve data integrity and application performance.

- Contributed to government software standards efforts through technical presentations and engineering collaboration.

Founder & Co-Owner | Divvision33 LLC - Warrington, PA

2012 - Present

- Founded and operate a digital services company providing website development, hosting, and consulting services for small businesses.
- Manage client relationships, project delivery, business operations, and long-term customer support.

EDUCATION

Master of Business Administration (MBA), Organizational Management - Eastern University

Bachelor of Science, Computer Science & Software Development - Kutztown University

Associate of Science, Computer Science - Bucks County Community College

CERTIFICATIONS & PROFESSIONAL DEVELOPMENT

Google AI Essentials - Completed

Project Management Professional (PMP) - In Progress

Professional Scrum Master I (PSM I) - Planned

TECHNICAL SKILLS

Languages: C#, VB.NET, Python, C++, Java

Frameworks & Platforms: .NET, WinForms, MVC, Microsoft Access

Data & Integration: SQL Server, SQLite, MySQL, MongoDB, XML, JSON, REST APIs

Tools: Visual Studio, VS Code, Jira, Bitbucket, Bamboo, Confluence, Git, Wireshark

Systems & Protocols: TCP/IP, UDP, multicast, Linux-connected systems, flight test and data acquisition systems

Defense & Aerospace: MIL-STD-1553, ARINC-429, aerospace instrumentation, customer engineering reviews

Cloud & DevOps: Azure fundamentals, CI/CD practices