Timothy S. Downs Mullen

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CORE COMPETENCIES

Agile/ SAFe / Scrum

Lean Process Improvement

End-to-End Project Delivery

Team Coaching & Mentorship

Cross-Functional Leadership

Process Automation

Systems Engineering

Security Architecture

Program Management

TECHNICAL SKILLS

Methods: Agile (SAFe, Scrum, XP, Kanban), Lean, TDD, Full SDLC, Six Sigma, SEER-SEM

Languages: Python, .NET, C#, C++, Java, SQL, HTML, XML, UML, ANSI C, SysML

Tools: Jira, Confluence, Git, Salesforce, Selenium, MS Project, Visual Studio, Subversion, DOORS, ClearCase, NUnit, Model Based Systems Engineering (MBSE) Principles

SUMMARY

Accomplished engineering leader with over 15 years of experience directing cross-functional teams in the full lifecycle software and systems delivery for complex avionics and defense platforms. Expert in Agile transformation and coaching, leveraging Lean principles and Earned Value (EVMS) to drive project execution and efficiency. Proven ability to mentor technical staff and manage multi-million dollar projects for mission-critical applications. Holds patents in RFID security and automated checklist methods.

PROFESSIONAL EXPERIENCE

Collins Aerospace | Scrum Master / Senior Software Systems Engineer (2019–2025)

- -Provided agile coaching and mentorship as Scrum Master, increasing team story completion by 2.5x by implementing Lean process improvements and removing impediments.
- Achieved 98–115% sprint velocities through effective backlog grooming, sprint planning, and removing impediments using JIRA and other Agile tools.
- Led teams in unified department vision, delivering consistent on-time, on-budget results.
- Mentored team members to align strengths with tasks, sustaining 90%+ on-time delivery.
- Served as Export Classification Lead (JCL2) for department compliance.

Transamerica / TCS | Agile Coach / Scrum Master (2013–2019)

- Guided leadership and teams through Agile adoption, tailoring frameworks to business needs.
- Led innovation sessions producing 9x more ideas than prior methods.
- Built Agile team delivering award-winning initiative for Customer Service Representatives.
- Developed documented SDLC meeting Agile and insurance compliance requirements.

- Headed customer support and train-the-trainer initiatives during rollout.

Rockwell Collins | Lead Project Engineer (2004–2013)

- Delivered a 24-month estimated avionics project in 18 months by authoring an Agile Systems Software Development Plan (SDP).
- Transformed a traditional waterfall environment using Lean and test driven development (TDD) practices. .
- Managed project scope, schedule, and budget, applying Earned Value (EVMS) principles to maintain on-time, on-budget delivery for projects valued at over $1M annually.
- Directed security architecture for connected aircraft, setting new industry standards.
- Received patent for automated checklist methods.

Intermec Technologies | Software Engineer III (2000–2004)

- Introduced Extreme Programming and Agile methodologies company-wide.
- Received patent for RFID security processes.

United States Marine Corps | Intelligence Specialist, Corporal (1988–1992)

- Honor Graduate, Parris Island & Intelligence School.
- Improvise, Adapt, Overcome — Agile since 1775.

EDUCATION

B.S., Computer Engineering – Iowa State University (Graduated with Distinction, 3.5 GPA)