

Sam Slusky

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PROFESSIONAL OBJECTIVE

Seeking the opportunity to make the transition from an individual contributor to a strategic leadership role. Throughout my career at American Airlines and Collins Aerospace I have shown my ability to successfully execute multiple projects on an emergent basis, effectively managing priorities to deliver parts and aircraft on time. I have had the opportunity to develop as the subject matter expert on a wide variety of engineering and compliance topics, giving me the benefit of interacting with a wide functional group of leaders. I am looking to leverage my engineering experience in data driven decision making and strong communication skills to contribute to any organization at a strategic level.

PROFESSIONAL EXPERIENCE

Collins Aerospace – Monroe, NC

January 2021 - Present

Senior Engineer – Advanced Structures

- Technical expert for over 150 different aircraft subcomponents under Actuation and Landing Gear systems
- Manage Maintenance Manual modifications and updates for 3 OEMs, serving over 20 customers
- Engineering representative for MRO Root Cause Corrective Actions team.
- Technical expert for THSA Shop redesign to accommodate 50% projected growth for 2024
- Trained technicians to re-establish 6 different landing gear product lines, generating \$800K in sales in 2024
- Manage digital QC form system for Actuation and Cargo shops

American Airlines – Charlotte, NC

March 2015 – July 2020

Base Support Engineer

- Developed repair documentation for in service aircraft, preventing unscheduled delays and cancellations
- Ensured FAA compliance in heavy maintenance and aircraft modification lines
- On-site engineering leader for 4 aircraft maintenance lines at remote MROs in Texas and North Carolina
- Led team for exploratory program into Drone-assisted inspections

American Airlines – Tulsa, OK

March 2014 – March 2015

Fleet Support Engineer

- Engineering review for 14 CFR Part 121 compliant maintenance program for A320F introduction
- Published engineering change orders for A321 Hawaiian subfleet

PROJECTS AND KEY CONTRIBUTIONS

Trimmable Horizontal Stabilizer Actuator Life Limited Component Review

April 2024 - July 2024

- Subject matter expert for compliance requirements from published Airworthiness Directives and Service Bulletins
- Communicated findings and executed corrective actions to resolve FAA Voluntary Disclosure

Site Cost Data Analysis

September 2024 - October 2024

- Analyzed operational data including material replacement rates, unit costs, and workscope details.
- Communicated data to executive leadership as part of analysis for MRO FlightSense contract performance.

Hail and Lightning Strike Aircraft Maintenance Program (HSL)

August 2018 - April 2019

- Developed American Airlines procedures for processing hail and lightning strike damage.
- HSL program prevented more than 80 unscheduled cancellations in 2019

SKILLS

Key Skills: Data Analysis, Analytical Problem Solving, Regression Modeling, Structural Repair Design

Working Knowledge: Python, SQL Database, Javascript/Typescript, HTML5, ChatGPT, Red X, Microsoft Excel, Data Visualization (Tableau and Power BI)

EDUCATION

University of North Carolina – Chapel Hill, NC

2023 - Present

MBA Candidate – Data Analytics and Decision Making, Strategy and Consulting

Rensselaer Polytechnic Institute – Troy, NY

2009 - 2013

Bachelor of Science – Aeronautical and Mechanical Engineering