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Vastly experienced pilot, aviation safety professional, and aviation expert. Involved in teaching numerous aspects of helicopter flight and safety management systems. Former United States Army Warrant Officer and Aviator flying the Blackhawk during medical evacuation missions. Decorated Operation Iraqi Freedom combat veteran receiving two Air Medals and a Sikorsky Rescue Award. Current Aviation Doctorate student at the Florida Institute of Technology (FIT). Graduated Summa cum laude from FIT with a Master of Science, Aviation Safety concentrating on Safety Management Systems. Graduated cum laude with a Bachelor of Science degree from Embry-Riddle Aeronautical University in Aeronautics with a minor in Helicopter Safety. Extensive experience in aviation operations, including aviation safety, flight training, maintenance test flights, helicopter air ambulance, and aviation law enforcement. Numerous military and civilian flight credentials, including Airline Transport Pilot (ATP) rotorcraft, FAA Certified Flight Instructor including Instrument Instructor (CFI/CFII), and Certified International Safety Manager (CISM®), to name a few. Extensive experience consulting helicopter air ambulance, law enforcement, and agricultural operators utilizing aviation assets. Also, hold a current Secret Security Clearance.

PROFESSIONAL EXPERIENCE

2018 – Present

KB Solutions, LLC.

Chief Executive Officer (Owner) – An aviation consulting firm focusing on SMS development, implementation, regulatory guidance, and training. Within the scope of KB Solutions, LLC., also teach as an Associate Instructor with the U.S. Department of Transportation's, Transportation Safety Institute (TSI) for their SMS course and the Airborne Public Safety Association (APSA), a freelance writer with Aviation International News (AIN), and AirBeat, and an Aviation SMS Subject Matter Expert (SME) for Spidertracks, TrainingPort.net, and the New Zealand Trade and Enterprise government. Author of the Helo Girls™ Children's book series.

2023 – Present

The Florida Institute of Technology

Adjunct Professor educating undergraduate students on Aviation Safety.

2022 – 2023

Unmanned Safety Institute (USI)

Director of Safety Programs and Assurance – Subject matter expert on aviation safety (including UAS accident/incident/unusual occurrence investigations) and compliance audits. Conducts compliance audits to USI standards. Serves as a safety advisor to USI customers, develops/drafts general operations manuals and Safety Management System (SMS) programs for USI customers. Develop and manages the USI SMS program, including serving as the company aviation safety officer. Also support safety coursework/curriculum development.

2019 – 2022

Volusia Sheriff's Office

Bell 407 Pilot – Intermittent Law Enforcement pilot (Day and NVG) and Part 135 Helicopter Air Ambulance operator.

2019 – 2020

AAR

Aviation Safety Specialist – Responsible for all aspects of the Safety Management System (SMS), including development and implementation. Provide policy and guidance to all aviation

aspects of the organization. Execute aviation safety-related training (with emphasis on SMS), audits, inspections, and monitoring of aviation programs at various global bases. Identify safety hazards and risks and promote the reduction and elimination of potentially hazardous conditions that may lead to accidents and incidents. Within this role, provided senior-level advice, guidance, and training on aviation safety matters as a subject matter expert relative to contractual requirements.

2018 – 2019

Spider Tracks Limited

Regional Sales Director – Responsible for selling Spidertracks real-time flight following products within the Eastern United States (28 states total) and within the Caribbean. Created regional sales plans and met quotas in alignment with business objectives and goals. Identified and pursued assigned market segment prospects and developed those prospects through the sales stages of opportunity, qualified, proposal, and sale; following up post-sales to ensure customer satisfaction. Total market availability was approximately 19,000 aircraft, with a penetration of nearly 1,000. Generated initial market increase the first year by over 4%. Prepared and monitored the annual budget for my area of responsibility. Analyzed regional market trends and discovered new growth opportunities. Suggested new services/products and innovative sales techniques to increase customer satisfaction within the scope. Addressed potential problems and offered prompt solutions for our customer base. Understood customer objections and solved challenges in complex environments, followed the market segments in which Spidertracks operated and how the product and services were used within each market segment. Furthermore, publicly spoke during FMCA and APSCON regarding Safety Management Systems/Emergency Response Plans and how flight monitoring systems aid those processes. Customers included firefighting, utility, military, tour, agricultural (spraying), and the like.

2015 – 2017

Bristow Academy

Flight Safety Advisor – Conducted quality assurance audits of the Academy's operational activities at all campuses (Titusville, FL, and Minden, NV) to ensure compliance with regulatory requirements, Bristow Academy policies and procedures, and contractual obligations. Developed an Academy Flight Operations audit plan; Completed reports promptly documenting assessment findings, concerns, and recommendations and tracking corrective actions to prevent similar occurrences. Conducted occurrence/event investigations within the Flight Department to determine root and contributing causes and recommend safety actions to prevent reoccurrence. Performed risk management functions daily, including risk/hazard identification, supporting risk/hazard assessments, and control/barrier evaluation. Incorporated long-range policies to improve Operational Check Flights, including the development and implementation of Standard Operating Procedures defining crewmember requirements and continued training while also assisting the maintenance department in conducting Operational Check Flights. Coordinated with flight staff regarding discrepancy reporting and Academy aviation safety report submissions. Furthermore, updated and implemented Emergency Response Plans (ERP) and facilitated scenario-based ERP training across both campuses. Also, flew within Academy training areas and completed Risk Assessments to ensure the fields were safe for Academy staff and students.

2012 – 2015

Bristow Academy

FAA Chief Flight Instructor – Advised the Business Development manager on present and future contract operations. Additionally, ensured on-time completion of contractual requirements by monitoring students' progress and performance. Managed and mentored eighteen direct reports and oversaw, on average, 75 students from numerous contract companies (predominately oil and gas) and self-pay students. Coordinated with my flight instructors to identify "at-risk" students, address remedial training issues, or terminate training as needed. Ensured high morale amongst departmental flight instructors and conducted flight evaluations of students and instructors to determine progress and maintain quality and standardization. Analyzed significant and unique contract requirements, special provisions, terms, and conditions to ensure compliance with

appropriate laws, regulations, and Academy policies and business unit procedures.

2010 – 2012

Volusia County Sheriff's Office

Bell 407 Pilot – Part 135 operator; Provided assistance to law enforcement agencies throughout the county and surrounding counties with routine patrols, arrest assists, vehicle, and foot pursuits, searches for missing children and endangered adults, educational presentations, aerial photography, disaster assessments to include assisting local fire agencies with accessing fires, aerial surveillance, medical transport of trauma patients from the accident scene to the hospital, patient interfacility transports, and other missions as directed by the Sheriff. In conjunction with my pilot duties, I assisted the Chief Pilot in ensuring all line pilots were instrument current.

2008 – 2010

Bristow Academy

Certified Flight Instructor / Instrument Instructor / IFR Stage Check Pilot – Instruct Contract students in all flight applications and maneuvers for Private, Commercial, Instrument, CFII ATP ratings. Instruct in both Part 61 and 141 applications. Teach Systems and Components and Crew Resource Management to group ground classes.

2006 – 2007

Florida Army National Guard – Operation Iraqi Freedom

Aeromedical Evacuation Pilot – In addition to pilot duties, was responsible for Medical Evacuation coverage and ensuring Flight Operations personnel had complete situational awareness across the battlespace, including updated weather, intelligence, and any supporting patient/mission information. I planned, scheduled, and conducted ground and flight tests with maintenance Test Pilots in conjunction with Quality Assurance, Production Control, and Operations.

FLIGHT QUALIFICATIONS AND HOURS

- Airline Transport Pilot/3080963
- Flight Instructor: Rotorcraft – Helicopter, Instrument – Helicopter
- Small Unmanned Aircraft System/3969627
- Second Class Medical
- S-70 (UH60) Type Rating: 484 hours
- Schweizer 300CB/CBi: 1135 hours
- Robinson R44: 82 hours
- Bell 206 (TH-67): 264 hours
- Bell 407: 570 hours
- Total Rotorcraft: 2535 hours
- Pilot-In-Command: 2477 hours
- Flight Instruction: 1256 hours
- Instrument Instruction: 308 hours
- Simulated/Actual Instrument: 73 hours
- Night Vision Goggle (NVG): 305 hours

EDUCATION

- Florida Institute of Technology – Present
 - Aviation Doctoral (AvD) student
- Florida Institute of Technology – 2022
 - Masters of Science – Aviation Safety
- Embry-Riddle Aeronautical University – 2020
 - Bachelor of Science –Aeronautics
 - Minor in Helicopter Safety

- IS-BAO Training
 - Fundamentals of IS-BAO Workshop – June 2022
 - IS-BAO Auditing Workshop – June 2022
- Unmanned Safety Institute – February 2022
 - sUAS Safety Certification Level 1
 - Advanced Safety Certification Level 1
 - Advanced Safety Certification Level 2
 - Visual Line of Sight System Operations (VSO) Ground
- U.S. Department of Transportation – Transportation Safety Institute
 - Internal Evaluation Program – 2021
 - Basic Aircraft Accident Investigation Course – 2021
 - Safety Management Systems and Aviation Safety Program – 2020
 - Bowtie Safety Risk Management – 2020
 - Human Factors in Aircraft Accident Investigation Course – 2020
- Wilson Learning – March 2019
 - The Versatile Counselor Salesperson – Certificate of Completion
- Bristow Helicopters – September 2016
 - Undertaking Human Factors Investigations – Certificate of Attendance
- Embry-Riddle Aeronautical University – June 2016
 - Aircraft Accident Investigation – Certificate of Completion
- Bristow Helicopters/Danbury Kline – January 2016
 - Auditing in complex organizations – Certificate of Completion
- Bell 407 Factory Ground and Flight Course to include NVG – 2010, 2012, and 2019
- Bristow Academy
 - Certified Flight Instrument Instructor – 2009
 - Certified Flight Instructor – 2008
- Robinson Helicopter Company Factory Safety Course – 2006
- Vincennes University
 - Associate of Science – General Studies
- U.S. Army Flight School – August 2004 – July 2005

ADDITIONAL SKILLS

- Night Vision Goggle Systems and Heads Up Display (HUD) Qualified
- Qualified in Medevac Rescue Hoist, Skedco, Sling Load, and Bambi Bucket Operations
- Trained in Underwater Egress
- Dispatching flight crewmembers and aircraft for Medevac Operations

PUBLICATIONS and TEACHING

- Helo Girls
 - The Firefighting Pilot
- CFBAA Newsletter
 - March 2024: Cutting-Edge Drone Detection Tech Bolsters Airport Safety
 - February 2024: Runway Incursion Prevention Measures
 - January 2024: Navigating Difficult Conversations in Small Aviation Departments: Balancing Assertiveness and Professionalism
 - November 2023: Nurturing a Positive and Just Safety Culture in a Small Flight Department
 - October 2023: Flight and Duty Time Limitations in Part 91 Operations: A Case for Adopting Part 135 standards
 - June 2023: Boosting Aviation Safety: Small Changes, Big Impact

- May 2023: Use of Automation – Improvement for Safety or Creation of Complacency? – Keeping SA & Proficiency While Maximizing Automation
- Alaska Air Carriers Association – March 2023
 - The Sustainability of SMS
- Drone Professional 3 – December 2022
- Airborne Public Safety Association, AirBeat Magazine – November/December 2022
 - Formation Flyovers: Are We Doing Them Safely?
- Florida Institute of Technology – September 12, 2022
 - Hazards vs. Risks in Aviation Safety
- Spidertracks – December 13, 2021
 - Spidertracks As Part of Your SMS
- Spidertracks – November 12, 2021
 - Five Steps to Starting Your SMS
- Airborne Public Safety Association Convention – July 26-27, 2021
 - Aviation Safety Officer Course
 - Flight Safety Reporting Systems
 - Audits and Inspections
 - Promotion and Education
- Spidertracks Video – July 8, 2021
 - SMS and FOQA – The What and The Why
- Aviation International News – March 23, 2021
 - Many Obstacles Prevent Single-Engine IFR Helo Cert
- Spidertracks Video Series – March 14, 2021
 - The 5 W's and How of SMS and Safety Culture
- Helicopter Association International – January 21, 2021
 - Off-Airfield Landings: Analyzing Risk Using the Bowtie Method
- Central Florida Business Aviation Association – September 24, 2020
 - Guest Speaker for annual Safety Standdown; Safety Management Systems
- Spidertracks – September 14, 2020
 - Lithium-ion Battery – Friend or Foe?
- Spidertracks – June 2020
 - Future Proof Aviation – 5 Ideas for Building a Stronger Business
- USDOT Transportation Safety Institute – April 2020
 - Safety Risk Management
- Southern New Hampshire University – May 8, 2020
 - Safety Management Systems
- LinkedIn, Spidertracks – February 4, 2019
 - ATU/AFF changes

CURRENT PROFESSIONAL MEMBERSHIPS

- Space Coast Women in Aviation Alliance (SCWAA) – Founding Board Member
- FAA Safety Team (FAASTeam) – Representative
- Central Florida Business Aviation Association (CFBAA)
 - Founding Board Member – Oversee Safety Committee
- International Society of Safety Professionals (ISSP) – Director of Engagement
- United States Helicopter Safety Team (USHST) – Member
- Vertical Aviation International (VAI)
 - Sitting Member – UAS Working Group
 - Sitting Member – Safety Working Group
- Airborne Public Safety Association (APSA) – Member

PERSONAL AWARDS and HONORS

- weVENTURE Excellence in Mentorship Award – March 2024
- National Business Aviation Association (NBAA) Tony Kern Professionalism in Aviation Award – October 2022
- Outstanding Student of the Year, FIT Aeronautics Department – April 2022
- Volusia Sheriff's Office, Sheriff's Award – November 2021
- Certified International Safety Manager (CISM®) – January 14, 2021
- USDOT Transportation Safety Institute
 - Advanced Aviation Safety Officer – Certificate 2021
- Sikorsky Rescue Award
- Air Medal – (2nd Award)
- Army Commendation Medal
- National Defence Service medal
- Global War on Terrorism Service Medal
- Iraq Campaign Medal
- Army Service Ribbon
- Overseas Service Ribbon
- Armed Forces Reserve Medal w/m Device
- Combat Action Badge
- Aviator Badge

SAFETY RECORD

- 100% Accident and Incident free