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Accomplished pilot, aviation safety professional, and expert in safety management systems with extensive experience in helicopter flight instruction and aviation operations. A former United States Army Warrant Officer and Blackhawk aviator, I served in medical evacuation missions and am a decorated Operation Iraqi Freedom combat veteran, awarded two Air Medals and the Sikorsky Rescue Award.

Currently pursuing an Aviation Doctorate at the Florida Institute of Technology (FIT), I graduated summa cum laude with a Master of Science in Aviation Safety, focusing on Safety Management Systems, and earned a cum laude Bachelor of Science in Aeronautics with a minor in Helicopter Safety from Embry-Riddle Aeronautical University.

My professional background encompasses aviation safety, flight training, maintenance test flights, helicopter air ambulance operations, and aviation law enforcement. I hold numerous military and civilian flight credentials, including Airline Transport Pilot (ATP) for rotorcraft, FAA Certified Flight Instructor (CFI/CFII), and Certified International Safety Manager (CISM®). Additionally, I have extensive consulting experience with helicopter air ambulance, law enforcement, and agricultural operators utilizing aviation assets. I also possess a current Secret Security Clearance.

PROFESSIONAL EXPERIENCE

2024 – Present

Helo Girls™

Creator and Author of the *Helo Girls™* book series.

Inspiring children with educational and interactive stories about helicopter missions and aviation safety. The series promotes problem-solving, teamwork, and the importance of safety in aviation, encouraging young readers to overcome challenges while learning about real-life helicopter operations and the critical role of safety in every mission.

Website: www.helogirls.com

2018 – Present

KB Solutions, LLC.

Chief Executive Officer (Founder)

Providing expert consultation in aviation safety management, specializing in the implementation and optimization of Safety Management Systems (SMS). Services include staff SMS training, risk assessment, hazard analysis, emergency response preparedness, audits, and fostering a Just Culture within aviation organizations.

As an Aviation SMS Subject Matter Expert (SME) for TrainingPort.net and the New Zealand Trade and Enterprise government, I deliver high-level training and advisory services. Additionally, I conduct audits with the Business Aviation Safety Consortium (BASC), ensuring compliance with industry safety standards.

Website: www.kbsolutions.site

2023 – Present

The Florida Institute of Technology

Adjunct Professor

Instruct undergraduate students in Aviation Safety, focusing on key principles, regulations, and best practices in the field. Develop and deliver engaging course materials that

cover topics such as Safety Management Systems (SMS), risk assessment, accident investigation, and regulatory compliance.

Utilize a mix of lectures, case studies, and practical exercises to enhance students' understanding of aviation safety challenges and solutions. Foster an interactive learning environment that encourages critical thinking and discussion among students. Assess student performance through examinations, assignments, and projects, providing constructive feedback to support their academic and professional growth.

Additionally, collaborate with faculty and industry professionals to stay current with emerging trends and advancements in aviation safety, ensuring that the curriculum remains relevant and comprehensive.

2022 – 2023

Unmanned Safety Institute (USI)

Director of Safety Programs and Assurance

Served as a subject matter expert in aviation safety, specializing in UAS accident/incident investigations and compliance audits. Conducted audits to ensure adherence to USI safety standards and served as a safety advisor to USI customers. Developed general operations manuals and Safety Management System (SMS) programs for clients, while also managing USI's internal SMS program as the Aviation Safety Officer. Supported the creation and development of safety-related coursework and curriculum.

2019 – 2022

Volusia Sheriff's Office

Bell 407 Pilot

Served as a law enforcement pilot conducting aerial operations in both daytime and night vision goggle (NVG) missions, providing surveillance and air support for various agencies while maintaining situational awareness and coordinating with ground units. Additionally, operate as a Part 135 Helicopter Air Ambulance Pilot, ensuring timely and safe transport of patients in emergency situations while collaborating with medical personnel for in-flight care. Demonstrate proficiency in helicopter operations, conducting pre-flight checks and adhering to FAA regulations to deliver high-quality support in dynamic environments.

2019 – 2020

AAR

Aviation Safety Specialist

Oversaw all aspects of the Safety Management System (SMS), from development to implementation, providing critical policy and guidance for the organization's global aviation operations. Conducted safety-related training, audits, inspections, and program monitoring at various international bases, with a focus on SMS. Identified hazards and risks, actively promoting the reduction and elimination of hazardous conditions to prevent accidents and incidents. In this role, delivered senior-level advice, training, and subject matter expertise on aviation safety matters, ensuring compliance with contractual safety requirements.

2018 – 2019

Spider Tracks Limited

Led sales of Spidertracks real-time flight tracking products across 28 states in the Eastern U.S. and the Caribbean, managing a market of approximately 19,000 aircraft with over 1,000 units sold. Developed and executed regional sales strategies to meet quotas and drive business objectives. Increased market penetration by over 4% in the first year through targeted prospecting and strategic sales initiatives.

Managed the entire sales process, from identifying prospects to closing deals, while ensuring customer satisfaction post-sale. Monitored regional market trends and identified new growth opportunities, contributing to product and service innovation to enhance customer satisfaction. Oversaw an annual budget, aligning spending with sales goals.

Delivered presentations at industry events such as FMCA and APSCON, focusing on Safety Management Systems (SMS) and Emergency Response Plans, and how Spidertracks'

flight monitoring systems support these processes. Worked with a diverse range of customers, including firefighting, utility, military, tour, and agricultural sectors.

2015 – 2017

Bristow Academy

Flight Safety Advisor

Led quality assurance audits of Bristow Academy's flight operations across campuses in Titusville, FL, and Minden, NV, ensuring compliance with regulatory requirements, internal policies, and contractual obligations. Developed and executed the Academy's Flight Operations audit plan, promptly delivering reports with findings, concerns, and corrective action recommendations to enhance operational safety.

Conducted incident and event investigations to determine root and contributing causes, providing actionable safety recommendations to prevent recurrence. Managed daily risk assessments, including hazard identification, risk evaluation, and mitigation strategies. Improved Operational Check Flights through the development and implementation of Standard Operating Procedures, defining crewmember requirements and enhancing training. Collaborated with the maintenance department and flight staff to streamline discrepancy reporting and safety submissions.

Updated and implemented Emergency Response Plans (ERP) and facilitated scenario-based ERP training at both campuses. Conducted risk assessments of training areas, ensuring safety standards were met for both staff and students during flight operations.

2012 – 2015

Bristow Academy

Contracts Manager and FAA Chief Flight Instructor

Advised the Business Development Manager on current and future contract operations, ensuring timely completion of contractual requirements by monitoring student progress and performance. Managed and mentored a team of 18 flight instructors and oversaw an average of 75 students from contract companies (primarily oil and gas) as well as self-pay students.

Collaborated with instructors to identify at-risk students, addressing remedial training needs or, when necessary, terminating training. Maintained high morale among the flight instructors and conducted flight evaluations to assess both student and instructor progress, ensuring quality and standardization across the department.

Reviewed and analyzed complex contract requirements, special provisions, and terms to ensure compliance with all relevant laws, regulations, and internal policies.

2010 – 2012

Volusia County Sheriff's Office

Bell 407 Pilot

Served as a pilot for a Part 135 operator, providing critical aerial support to law enforcement agencies throughout Volusia County and surrounding areas. Responsibilities included conducting routine patrols, assisting with arrests, and supporting vehicle and foot pursuits. Conducted searches for missing children and endangered adults, performed aerial photography, and executed disaster assessments, including collaboration with local fire agencies to manage fire access.

Executed medical transports of trauma patients from accident scenes to hospitals and facilitated interfacility patient transfers. Additionally, assisted the Chief Pilot in ensuring that all line pilots maintained instrument currency.

2008 – 2010

Bristow Academy

Flight Instructor

Instructed contract students in all flight maneuvers and applications for Private, Commercial, Instrument, CFII, and ATP ratings under both Part 61 and Part 141 programs. Provided one-on-one flight instruction, focusing on practical skills and theory to ensure proficiency in all required areas.

Conducted ground classes on Systems and Components and Crew Resource Management (CRM) for groups, enhancing student understanding of aircraft systems and team-based decision-making in aviation. Also served as an IFR Stage Check Pilot, evaluating student readiness and ensuring compliance with training standards

2006 – 2007

Florida Army National Guard – Operation Iraqi Freedom
Aeromedical Evacuation Pilot

As an Aeromedical Evacuation Pilot, I was responsible for overseeing medical evacuation operations and ensuring that Flight Operations personnel maintained comprehensive situational awareness throughout the battlespace. This included providing updates on weather, intelligence, and pertinent patient and mission information.

I planned, scheduled, and conducted ground and flight tests in collaboration with maintenance test pilots, working closely with Quality Assurance, Production Control, and Operations to ensure optimal aircraft performance and safety.

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) Candidate
- 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
 - January 2024: The Firefighting Pilot
- CFBAAs 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

EXPERT NOT RETAINED