SAED ABDULHADI (LinkedIn)

Avionics Software Integration Lead | Bell Flight | Dallas, TX | sabdulhadi@live.com | (773) 999-3749

SUMMARY

- Systems and avionics integration engineer with experience leading development and verification of flight-critical software.
- Skilled in embedded systems, model-based systems engineering, DO-178 processes, and mission-system interoperability.
- Known for translating operator workflows into certifiable architectures, directing technical decisions, and creating value for my customers by leveraging multi-enterprise engineering teams.
- Experienced in federal defense acquisitions, and a licensed pilot with strong operational intuition.
- Technical briefer skilled at articulating complex technical solutions and challenges clearly to higher level audiences.

PROFESSIONAL EXPERIENCE

Flight Management Software Integration Lead | Bell Flight (a Textron Company) | Fort Worth, TX **May 2023 – Present**

- Leading the design and integration of the flight management system for the US Army's MV-75 Cheyenne II, managing subcontractor development, budget, and schedule contributing to Bell's WIN and execution of the FLRAA program.
- Serving as the technical authority for authoring system requirements, interface control, verification strategy, and configuration management, deconflicting navigation-critical behaviors across mission and avionics systems.
- Supervisor of component testing in supplier labs and technical signatory of product acceptance.
- Author of DO-178 compliant certification artifacts and verification strategies for weapon-system integration, ensuring regulatory compliance and airworthiness for flight-planning and navigation-critical software.
- Drive agile design iterations by working directly on-site with Army aviators to map workflows, identify operational gaps, and demonstrate enhancements via digital twin demonstrators.
- Enforce zero-trust and CUI protocols to secure sensitive data across multi-enterprise environments.

Advanced Vertical Robotics Specialist Engineer (Contractor to Bell during May – Dec 2023)

- Designed and fielded an immersive dynamic simulator replicating operational environments for sUAS within mobile demonstration courts, using sensors and mechatronic mechanisms to drive a modular, networked control system that reacts dynamically to UAS behavior; featured at conventions such as AUVSI.

Solution Design & Deployment Engineer | Vivint | Dallas, TX & Atlanta, GA **February 2020 – July 2023**

- Designed and deployed integrated solutions for commercial and residential customers using the company's product base.
- Engineered systems to integrate legacy pre-existing equipment, including part selection, wiring design, and compliance with state fire safety regulations through collaboration with regulatory bodies.
- Configured HMIs and backend logic to optimize usability and functionality of base product solution. Iteratively, tested and revised designs to adapt to evolving customer needs and consumption patterns.
- Led technical teams of 6–10 ICs to execute installations and system deployments while managing supply-chain logistics for $1M in commercial assets to ensure uninterrupted operations.
- Monitored customer-retention metrics and provided technical support to engineering teams to inform future product iterations.

EDUCATION

BS in Computer Engineering, University of Texas at Arlington **December 2023**

Technical Skills: C**,** C++, Python, C#, SQL, OpenCV, SysML, MOSA, Digital Simulation, MBSE, Linux CLI
Tools & Platforms: Dimensions, IBM DOORS, Cameo, Azure DevOps, Azure CS, Git, Jupyter, Fusion 360, 3DX, MATLAB
Methodologies & SME Topics: DO-178, DO-200, FAA FAR, Autonomous Systems, Control Systems, RTOS, Teaming, PLCs

CERTIFICATIONS & ACTIVITIES

- **Private Pilot,** Federal Aviation Administration — July 2025
- **Airport Ground Operations [DFW]**, Widebody Aircraft Operations and Pushback/Tow — May 2023
- **Remote Pilot** [sUAS], Federal Aviation Administration — June 2023
- **TEDx Speaker**, *Destination Without a Plan* — Spring 2019