

# SAED ABDULHADI ([LinkedIn](#))

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

## SUMMARY

- Decisive software integrator with expertise in **flight planning and management systems**, for **VTOL** platforms.
- Technical strengths in system design, embedded software, and computer vision enable use of operations-centered design and functional ergonomics to lead multidisciplinary teams to develop bespoke, certifiable solutions for our customers.
- 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 a cross-functional team to manage subcontracted development and integration of Flight Director & FMS software for the Bell MV-75 Cheyenne II under MOSA — contributing to Bell's win of the U.S. Army's aviation contract.
- Serve as the technical authority for system requirements, interface control, verification strategy, and configuration management to deconflict navigation-critical behaviors across avionics and mission systems.
- 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