

DANIEL SIMON JR.

DeSoto, TX

<https://www.linkedin.com/in/danielsimonjr>

SENIOR TEST & SYSTEMS ENGINEER | DEFENSE ATE & INTEGRATION | DOD SECRET CLEARANCE ELIGIBLE

Senior Systems and Test Engineer with 25+ years moving test systems from R&D to production in missiles, avionics, and semiconductors. Delivered ATE and TPS for the PAC-2/PAC-3 Patriot Missile System (including PAC-3 MCU) at Lockheed Martin and F-16/F-35 TPS at BAE Systems. Team lead at TI and Lockheed: mentored about 8 engineers and technicians at TI and 3 at Lockheed; led Scrum stand-ups for 5 to 7 engineers on MRB and RCA. U.S. Army veteran (Honorable Discharge). Willing to travel 25%+.

Clearance: DoD Secret clearance, current eligibility (granted 01/2017), eligible for immediate reinstatement

KEY SKILLS

- **TPS & ATE:** F-16/F-35 TPS (ITAs, TDPs); NI TestStand, LabVIEW, LabWindows/CVI; LMSTAR, PXI, Teradyne iFlex/Eagle
- **Systems Engineering:** IBM DOORS, ICDs, trade studies, verification matrices, DMS/obsolescence, failure analysis, Altium
- **Defense Standards:** MIL-STD-1553/1760, MIL-STD-810/461, ARINC 429, MIL-STD-882E, hardware-in-the-loop, CDRLs
- **Other:** Python, TypeScript, ANSI C; Jira; Scrum (trained; led Scrum meetings and daily stand-ups); AEC-Q100 qualification

PROFESSIONAL EXPERIENCE

Senior System Integration and Test Engineer

Lockheed Martin Corporation | Grand Prairie, TX | Mar 2021 to Sep 2026

- Built 2 test stations as a member of a 10+ engineer team, covering ATE hardware design, integration, and V&V
- Supported 4 PDRs, 4 CDRs, and 3 TRRs; wrote ICDs, managed IBM DOORS requirements, and delivered CDRL items
- Authored 2 Test Program Sets and contributed to 5 for the PAC-2/PAC-3 Patriot Missile System, including PAC-3 MCU
- Served as team lead; mentored 2 junior engineers and 1 technician; dispositioned nonconformances as a certified MRB engineer
- Led Scrum meetings and stand-ups for 5 to 7 engineers on MRB investigations and root cause analysis (RCA)

Senior Test Program Set Engineer

BAE Systems Inc. | Fort Worth, TX | Jul 2020 to Feb 2021

- Engineered TPS for 3+ F-16/F-35 LRUs, developing Integrated Test Adapters for flight-line testers and LMSTAR ATE
- Extended TestStand and LabWindows/CVI suites of 100+ parametric tests per LRU; performed MIL-STD-1553 testing

Test Program Set Engineer II

BAE Systems Inc. | Fort Worth, TX | Jul 2017 to Jun 2020

- Authored FD/FI logic for field diagnostics, estimated to cut field MTTR by ~30%

Battery ChemID Engineering Support (Contract)

Texas Instruments Inc. | Dallas, TX | Feb 2016 to Jul 2017

- Built battery characterization fixtures, automated data collection with Python (PyVISA), and debugged ChemID algorithms
- Served as team lead; mentored about 4 junior engineers and 4 technicians; led daily Scrum stand-ups for test validation

Senior Software Engineer II (Contract)

Raytheon Company | Plano, TX | Apr 2015 to Jan 2016

CPE Test Engineer | Automotive IC Product Engineer | Product Engineering Support

Texas Instruments Inc. | Dallas, TX | Dec 2003 to Mar 2015

- Accelerated characterization-to-release time by ~50% as part of a team effort; built 2 PXI ATE systems and a reusable framework

R&D Technician; Field Service Technician

National Instruments; Asyst Technologies | Austin, TX | May 2000 to Dec 2003

MILITARY SERVICE

Utility Equipment Repairer (52C), Specialist (E-4), Team Lead

United States Army | Fort Hood, TX | Aug 1997 to May 2000

- Served as team lead; trained technicians; managed a \$50,000 tools inventory; earned the Army Commendation Medal; Electronics Technician, Texas Army National Guard (2000 to 2001)

EDUCATION

Bachelor of Science in Electrical Engineering | University of Texas at Dallas | Richardson, TX | 2012

Associate of Science in Mathematics | Dallas College | Dallas, TX | 2008

A.S.T., Electronics Engineering | ITT Technical Institute | Austin, TX | 2002

CERTIFICATIONS

- MRB Engineer, Lockheed Martin (2026); CAM/EVM training (2024); NI TestStand, LabVIEW, LabWindows/CVI; Altium Designer; ISCET Electronics Technician

LEADERSHIP & SERVICE

- Chief of Staff, now Advisor, Dallas Haitians United (Oct 2022 to Present); Board Member, Josephine Torres Cultural & Community Center (Jan 2020 to Present) and Literacy Achieves (Jul 2016 to Jun 2023)