Daniel Brandt

Systems Architect

Huntsville, AL (256) 555-0172 daniel.brandt@email.com linkedin.com/in/danielbrandt

SUMMARY

Systems Architect with 7 years in defense software, avionics and test systems. Owns systems architecture and interface definitions for Army ground station software, aligns designs with enterprise architecture standards, and provides technical leadership to software, network and hardware engineers. Holds an active Secret clearance.

SKILLS

- **Systems Architecture**
- **Enterprise Architecture**
- **C++**
- **Java**
- **Python**
- **Scripting**
- **Kubernetes**
- **AWS**
- **Azure**
- **Technical Leadership**

EXPERIENCE

Systems Architect 02/2024 - Present

Redstone Mission Systems Huntsville, AL

Defense contractor with 1,800 employees supporting Army aviation and missile programs.

- Own the systems architecture for a ground station software suite deployed at **14** Army sites.
- Document interfaces between 9 subsystems in SysML models and interface control documents reviewed at each design milestone.
- Moved test and simulation workloads to Kubernetes on AWS GovCloud, cutting regression runs from 30 hours to 6.
- Guide 22 engineers across software, network and hardware teams through weekly design reviews.

Senior Software Engineer 05/2021 - 01/2024

Tennessee Valley Avionics Huntsville, AL

Avionics supplier building flight software for military and commercial helicopters.

- Developed C++ flight data processing modules certified to DO-178C Level C on **3** aircraft programs.
- Wrote Python scripting tools that generated test cases from requirements, saving 400 engineering hours per release.
- Traced 1,200 requirements to design and test artifacts in DOORS for customer audits.
- Ported a Java maintenance application to Azure for 60 field technicians.

Software Engineer 06/2019 - 04/2021

Cumberland Test Systems Huntsville, AL

Test equipment manufacturer with 250 employees.

- Built Java and C++ control software for **40** automated test stations.
- Automated calibration data uploads with Python scripting, removing 6 hours of manual entry a week.
- Supported 12 factory acceptance tests on site with Army and prime contractor customers.
- Diagnosed a timing fault in station firmware that had caused 8% of test runs to fail.

EDUCATION

Bachelor of Science
The University of Alabama in Huntsville
Computer Engineering
Huntsville, AL
05/2019

CERTIFICATES

INCOSE Certified Systems Engineering Professional (CSEP) 03/2025
International Council on Systems Engineering

CompTIA Security+ 08/2022
CompTIA