**Abraham Andres Mesa**

**LinkedIn**:<https://www.linkedin.com/in/abraham-andres-mesa>

**Email**: abemesa@gmail.com  **Cell**: 305.929.3816

**Summary**

Skilled Avionics Specialist with 8 years of demonstrated Aircraft from the US Air Force. Proven expertise in resolving software and hardware malfunctions using approved test equipment and OTS products. Exceptional ability to excel in fast-paced, high-demand settings and self initiative.

**Professional Experience**

**Lockheed Martin** Apr. 2024 – Present

**F-16 Avionics Specialist Sr.** Greenville, SC

* Perform aircraft inspections in essentials areas according to industry standards.
* Performed radio, air data, avionic system checkouts and reported issues when identified.
* Identified routing using engineering drawings and harness routing issues and up channeled increasing efficient and reducing loss man hours.
* Proven ability to interpret engineering drawings, technical manual, symbols, flags, and general notes.

**U.S. Air Force Reserve** Jun. 2016 – Jun. 2023

**F-16 Avionics Specialist/Craftsman** Homestead ARB, FL

* Proficiently maintained and optimized aircraft communications systems, ensuring continuous mission readiness.
* Loaded classified software on avionics systems which lead to mission essentials.
* Modified aircraft wiring harness and performed system operational checkout to ensure reliable mission capability.
* Performed maintenance safety under extreme conditions to meet strict deadlines.
* Attained a perfect success rate in troubleshooting and resolved issues during launches.
* Profoundly skilled in Multiple Bus Fault Isolation and Aeroflex 2975 radio test sets.
* Repaired, reassembled, and terminated coaxial, triaxial, twisted pair, twisted shielded, and wafer contacts according to latest industry standard.

**Local Staffing LLC.,** Oct. 2021 – Jun. 2023

**Software Engineer** Miami, FL

* Thrived in high-pressure scenarios, ensuring project completion within tight deadlines.
* Engineered an Ads insight aggregator, delivering real-time metrics to stakeholders, enhancing decision-making.
* Created summary tables for projecting traffic trends, enabling effective budget adjustments through scripting.
* Designed, developed, and implemented avionics performance-tracking software, enhancing platform efficiency.
* Innovated a dynamic user experience through a specialized tracking application.
* Spearheaded the development of a statistical analyzer for avionics data, contributing to AI engine refinement.

**Data System Analysis Inc.,** Jun. 2019 – Apr. 2021

**Systems Engineer** Aberdeen, MD

* Thrived in high-pressure scenarios, ensuring project completion within tight deadlines.
* Employed scripting to meticulously identify and rectify complex issues impacting avionics application performance.
* Pioneered the creation of a robust avionics file-sharing system, facilitating seamless communication among DoD customers.
* Demonstrated uncompromising cyber hygiene standards when dealing with classified avionics information.
* Developed utility tools for exporting avionics system activity, supporting internal metrics and reporting.

|  |  |
| --- | --- |
| **Amadeus IT Group** | Jan. 2015 – Jun. 2015 |
| **Global Operations Support Technician** | Doral, FL |

* Ensure service agreements for Airlines and E-ticketing companies and Amadeus’ processing engine.
* Maintained a 5-minute ticket response which included departmental escalation or direct intervening.
* Managed service incidents including restoring normal operational services within service level agreements.
* Monitored, and tracked incident records and problem resolution with impact on Airline IT operations.
* Used Symantec's Veritas Cluster Services software to switch database states for operations.
* Supported software suite by debugging and performing real-life code trace with developer and customer.
* Used Bash and Perl scripting to maintain High Available Processing Engine, which involved multiple.

|  |  |
| --- | --- |
| **Florida International University** | Jul. 2013 - Sep. 2014 |
| **System Administrator** | Miami, FL |

* Worked with Red Hat Linux Enterprises (Scientific Linux 6.5 and CentOS 6/7)
* Manage, updated, secured academic Content System through packages updates and compiling sources.
* Wrote scripts in PHP, Python, and Perl to manage and update course rosters, content, and faculty changes.
* Developed an SNMP management tool and converted all network adapters to 10 Gigabit throughput.
* Confined Course Evaluation process for faculty and maintained CGI sites while maintaining Postgres DB.
* Assisted webmaster with site reconstruction and grasp an intimate knowledge of full-stack development.
* Created SNMP program used to find interface speeds for network upgrades and bottlenecked throughput.

|  |  |
| --- | --- |
| **WorldNet Media** | Aug 2011 - Nov 2013 |
| **IT Support / LAMP Development / Quality Assurance** | Miami, FL |

* Developed Bash script to automate site crawlers for quick and effective page errors and security testing.
* Configured and managed Ubuntu, CentOS, and Gentoo Linux environments and LAMPs.
* Managed XenServer for in-house virtual hosts used for development and testing.
* Developed PHP & Python scripts for smooth QA site transitions.
* Developed bash script utilizing for maintaining high content delivery with commands sed, awk, and grep.
* Configured Memcache for reduction of database queries.
* Managed IT Support ticketing system and maintained a low request volume.

**EDUCATION**

**Associate’s degree, Computer Science, 2010**

Miami Dade College, Miami, FL

**Bachelor’s degree candidate, Cyber Security, 2025**

SANS Technology Institute

**SKILLS**

* Avionics systems maintenance and troubleshooting
* Software and hardware problem-solving
* Avionics wiring diagrams and schematics interpretation.
* Leadership and mentorship
* High-pressure project management
* Collaboration and team coordination
* Avionics software design and development
* Scripting and avionics data analysis
* Cybersecurity with classified avionics information

**CERTIFICATIONS & LICENSES**

* CompTIA Security+
* Linux Foundation Systems Administrator
* F-16 Integrated Avionic Systems; CCAF.
* F-15/A-10/U-2 Avionics Instrument & Flight Controls; CCAF.

**LANGUAGE SKILLS**

* Intermediate in Spanish

# REFERENCES

**Local Staffing LLC**

Miami, Florida

Joshua Martinez

CTO

(305) 458-5953

**DSA Inc.**

Aberdeen, Maryland

Phillip Dorrel

Software Development Manager

(862) 221 2862

**US Air Force**

Homestead, Florida

SMSgt. Wayne Wooley

Specialist Squadron Commander

(305) 321-0494