Michael Simms

Senior Test/Eng Technician
Londonderry, NH

Field Service System Engineering | RF Antenna Testing | DoD and Law Enforcement Collaboration | Previous US Secret Clearance | Previous FAA Contractor Access Badge | US Navy Avionics Technician | US and Allied Military Special Forces Support

Authorized to work in the US for any employer

Work Experience

Specialty Services Coordinator
The Home Depot - Londonderry, NH
August 2019 to Present

03053

Senior Test Technician
Haigh-Farr Inc - Bedford, NH
January 2018 to 2019

03110

Duties Included:
• Schedule driven RF and environmental testing (Vibration, Shock, Thermal and Thermal Vacuum testing).
• Identification of test needs and coordination of testing with outside labs.
• Compilation, management and dissemination of test data to in-house and customer Engineering.
• Assist in test procedure writing.
• Assist in organizing and maintaining test equipment and fixture.

Sr. Field Engineer II
Raytheon Company - San Diego, CA
March 2011 to June 2017

92123

Sr Field Service Engineer II
Raytheon Company - Adelanto, CA
March 2014 to February 2016

Under Raytheon's Common Sensor Payload (CSP) program, I was tasked with providing on-site technical field engineering support at the El Mirage Flight Test Facility in California. Working as a sub-contractor with General Atomics (and others) for the US Army's Gray Eagle Unmanned Arial Vehicles, in support of the ongoing war on Terrorism and Al-Qaeda.

Raytheon's Common Sensor Payload (CSP):
"With the Army's Common Sensor Payload selection, Raytheon continues its sensor market leadership in providing actionable information through advanced, best-value sensing and targeting capabilities.

CSP joins our family of highly advanced, targeting systems providing critical intelligence, surveillance, reconnaissance and targeting mission capabilities to the warfighter today.

Initially developed for the U.S. Army, Raytheon's Common Sensor Payload technology brings superior performance and cost efficiency to a variety of manned and unmanned platforms. The turreted EO/IR sensor includes an image intensified (High Definition) TV, a laser spot tracker, a laser designator, an eye-safe laser range finder, and a laser pointer.

Designated the AN/AAS-53 by the U.S. military, this technology is fielded by the U.S. Army on the Gray Eagle unmanned aerial vehicle."
http://www.raytheon.com/media/sas/mts/

After receiving initial system level training at Raytheon's McKinney, TX Facility, to include hardware and software operability and system interaction (software/firmware installation, updates, etc.), the position called for me to be imbedded with a unit in support of OCONUS operations. This required an experience in conducting technical analysis of product functionality, modifications and enhancements to the product in accordance with customer specifications and configuration, as well as the ability to troubleshoot technical problems and issues.

Expert level knowledge of infrared, electro-optical weapons systems, and familiarity with conventional electronic troubleshooting techniques, were all needed and incorporated, as well as the experience and familiarity with the tools and test equipment used during installation, test and maintenance of the High Definition EO-IR camera system.

Was required to work with no direct supervision, with the single point of contact being Raytheon program management. Customer interaction included weekly reports on system status' and repair/maintenance efforts, in a high-profile UAV Production and Test environment.

Senior Test/Engineering Technician

Raytheon Company
July 2014 to March 2015

US - Multiple Locations; (07/2014 - 03/2015)
In partnership with the FAA and as a proud Team Member with Raytheon's TAMR (Terminal Automation Modernization and Replacement) program, responsible for the installation, integration and test of outdated FAA Air Traffic Control systems throughout the US, to include TRACON's in Indianapolis, Louisiana and New York's JFK and LaGuardia Airports (including others);

• Previously held FAA/FDT issued Contractor badge (Expiration: 12/05/2017)

" The Transportation and Support Services Terminal Automation Modernization and Replacement program has quietly been replacing the FAA's outdated air traffic control systems with the latest in modern technology--Raytheon's Standard Terminal Automation Replacement System--otherwise known as STARS.

The TAMR team implemented STARS through an approach that required the same type of synchronized collaboration that air traffic controllers require on taxiways, runways and skyways around the country.

The transitions thus far have been extremely successful; even the busiest and most complex airspaces in the world, including New York, Dallas/Fort Worth, Denver, Northern and Southern California, St. Louis, Louisville, Minneapolis, Atlanta, Washington D.C., and Chicago, were completed with absolutely no interruption to service. These locations represent the FAA's largest TRACON facilities, and control 80 percent of the terminal traffic in our nation's airspace system."

In-Country Raytheon Installation/Test and Integration Representative

Raytheon Company - Amman, Jordan
March 2014 to July 2014

As the sole in-country Raytheon representative, responsibilities included the daily oversight and compliance of installation, integration and maintenance of the locally contracted workforce (Jordanian Engineers and Technicians), to provide border security solutions to the Jordanian Govt., while embedded with the Active Jordanian Army.

Heightened security concerns for US Citizens, Diplomats and other US Personnel working abroad in the region at the time, brought the assignment to an earlier than expected end.

SRP (Surveillance Radar Program) Installation/Test and Integration Engineer

Raytheon Company
January 2012 to March 2014

Responsible for the installation, integration and maintenance of a Classified, land-based early warning surveillance radar system. Acting SME (Subject Matter Expert) for Taiwan Air Force personnel on same. Lived and worked in Taiwan during assignment as a US Ex-Patriot.

Extremely remote and hazardous work location, while living in the city of Hsinchu during time-off rotations with team members.

S3 RAID/Elevated Sensors (Rapid Aerostat Initial Deployment) Field Service Engineer

Raytheon Company
March 2011 to December 2011

Responsible for the maintenance of various elevated sensor/surveillance systems, housed within multiple platforms (Aerostats, Towers, and Masts), to include the STAR Safire III EO/IR and Thermo-Vision 3000 Camera Systems, in support of Operation Enduring Freedom (OEF) in the Iraqi Theater of Operation.
◦ Installation/Maintenance Engineer (Site Lead) - Iraq (OEF); Responsible for the repair and maintenance of various ISR system sensors, as well as the work prioritization of 3 FSR's (Field Service Representatives) and one Logistician, servicing Central and Northern Iraq under the US Army CENTCOM (Central Command).
* Responsible for daily reporting of System Status and Personnel SITREP's (Situation Reports) to senior US Army Staff Officers.
* Delivered classified briefings to Base Commanders and associated Staff Officers (of both US & Allied Forces), as needed.

Sr. Field Engineer/Sensor Operator

Lockheed Martin Corporation - Information Systems and Global Solutions - Port Canaveral, FL
October 2010 to March 2011

Surveillance Systems Operator/Maintenance Engineer:

Utilizing an Aerostat-based sensor package, containing both EO/IR (Electro Optical/Infrared) and proprietary SAR (Synthetic Aperture Radar) duties included:
◦ Sensor Operator; Analysis, Categorization and Dissemination of Digital and Analog intelligence products.
◦ Maintenance Engineer; responsible for the repair and maintenance of proprietary SAR (Synthetic Aperture Radar) System and supporting equipment, for both Federal and local Law Enforcement Agencies.

Sr. Radar Technician/Sensor Operator

Aeronautical Systems, Inc - San Diego, CA
December 2004 to May 2010

92128
• Reconnaissance Systems Group - Flight Operations:
Utilizing an aerial based sensor package, containing both EO/IR (Electro Optical/Infrared) and proprietary SAR (Synthetic Aperture Radar) systems housed within both manned and un-manned (UAV) platforms, duties included:
◦ Maintenance Engineer; responsible for the repair and maintenance of proprietary SAR (Synthetic Aperture Radar) System for Government, Military and Law Enforcement (US Border Patrol/I.C.E.) applications.
◦ Sensor Operator; Analysis, Categorization and Dissemination of Digital and Analog Imagery and other Intelligence products.

Education

B.S. in Computer and Information Systems

University of Maryland
May 2010

Skills

- Field Service
- Sensors
- Firmware
- Microsoft Office
- Avionics
- Intelligence Experience
- DoD Experience
- Program Management
- Computer Networking

Military Service

Branch: United States Navy
Rank: E5

Assessments

Filing & organization — Expert
May 2019

Arranging and managing information or materials using a set of rules.
Full results: Expert

Logic & critical thinking — Expert
May 2019

Using logic to solve problems.
Full results: Expert

Workplace English — Expert
May 2019

Understanding spoken and written English in work situations.
Full results: Expert

Graphic design — Highly Proficient
May 2019

Measures a candidate's ability to create visual media to effectively communicate information and concepts.
Full results: Highly Proficient

Marketing — Familiar
May 2019

Measures a candidate's ability to understand your target audience and how to best communicate with them.
Full results: Familiar

Proficiency with Microsoft Office: Mail & calendar (PC) — Highly Proficient
May 2019

Using Microsoft Office Mail and Calendar tools to manage workload.
Full results: Highly Proficient

Spreadsheets with Microsoft Excel — Highly Proficient
May 2019

Excel knowledge including common tools, PivotTables, conditional & nested formulas, and custom visuals.
Full results: Highly Proficient

Verbal communication — Expert
May 2019

Speaking clearly, correctly, and concisely
Full results: Expert

Hydraulic systems specialist — Highly Proficient
May 2019

Measures a candidate's ability to apply mechanical reasoning when repairing malfunctioning hydraulic, pneumatic, and electrical systems.
Full results: Highly Proficient

Mechanical knowledge — Highly Proficient
May 2019

Measures a candidate's ability to understand and apply mechanical concepts and processes.
Full results: Highly Proficient

Working with MS Word documents (intermediate) — Expert
May 2019

Intermediate Word techniques, including the use of formatting, Track Changes, and Comments.
Full results: Expert

Basic computer skills: PC — Expert
May 2019

Performing basic computer operations, navigating a Windows OS, and troubleshooting common computer problems.
Full results: Expert

Customer focus & orientation — Highly Proficient
May 2019

Responding to customer situations with sensitivity.
Full results: Highly Proficient

Supervisory skills: Motivating & assessing employees — Highly Proficient
May 2019

Motivating others through feedback to identify improvements or corrective actions.
Full results: Highly Proficient

Mechanical skills: Monitoring — Highly Proficient
January 2021

Monitoring machine indicators to determine appropriate functioning.
Full results: Highly Proficient

Work style: Conscientiousness — Proficient
January 2021

Tendency to be well-organized, rule-abiding, and hard-working
Full results: Proficient

Retail customer service — Highly Proficient
January 2021

Comprehending and responding to retail customer needs
Full results: Highly Proficient

Technical support — Proficient
May 2019

Applying protocols to identify errors and solutions in order to maintain system function.

Full results: Proficient

Teamwork: Interpersonal skills — Proficient

May 2019

Resolving disputes, solving team problems, and understanding nonverbal cues.
Full results: Proficient