

Michael Simms

Senior Test Engineer

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

Willing to relocate to: Southern/Northern California - New York, NY - Baltimore, MD

Authorized to work in the US for any employer

Work Experience

Test Engineer

Applied Materials - Gloucester, MA

June 2021 to December 2022

Performed machine testing and maintenance on Ion Implanters, Etch tools and RF Plasma Systems. Received direction from management staff (Physicists and Engineers) to independently provide expertise to accomplish assigned tasks. Achieved a working knowledge of Etch tools, Ion implanters and RF plasma systems. Was responsible to communicate effectively and interact with a diverse project team to collect, compile, maintain and interpret data and test results accurately.

Key Responsibilities:

- Assisting engineers and scientists to create, modify, and test Ion implanters and RF plasma systems. Inspected products and processes for flaws while identifying and communicating areas for improvement. Conducted engineering tests and collected data.
- Worked with internal Teams (Manufacturing, Quality, Reliability, Design, etc.) to solve problems arising from product anomalies, engineering evaluations, and new product development.
- Worked from schematics, diagrams, written & verbal instruction, layouts & plans to perform testing and troubleshooting.
- Maintained (digital) logbooks and test procedure documentation to internal engineering/quality standards.
- Problem solving and efficient application of scientific methods to generate results.
- Ability to identify specification issues with an eye for technical accuracy and thoroughness.
- Observe all safety standards. Actively strive to work safely to prevent accidents and injuries.

Specialty Services Coordinator

The Home Depot - Londonderry, NH

August 2019 to February 2021

Responsible for utilizing The Home Depot "At Home Services" Systems and Processes to coordinate job movement and installation, identifying problems and solutions, as per Customer requirements, while building and maintaining relationships with field personnel, and follow up with both customers and field partners to avoid potential issues or delays. Responsible for acting as a liaison for Home Depot customers,

field partners, and service providers. Responsible for ensuring the customer experience by resolving issues that could possibly impact job completion.

Senior Test Technician

Haigh-Farr Inc - Bedford, NH

January 2018 to 2019

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 groups.
- Assisting in test procedure writing, organizing and maintaining test equipment and fixtures.

Sr. Field Service Engineer

Raytheon Company - San Diego, CA

March 2011 to June 2017

Multiple Assignments/Locations:

Sr. Field Service Engineer

Raytheon Company - Adelanto, CA

March 2014 to February 2016

Raytheon's Common Sensor Payload (CSP):

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 included an image intensified (High Definition) TV, a laser spot tracker, a laser designator, an eye-safe laser range finder, and a laser pointer.

- I was tasked with providing on-site technical field engineering support at the El Mirage Flight Test Facility in Adelanto, California. Working as a sub-contractor with General Atomics (and others) under the US Army's Gray Eagle Unmanned Aerial Vehicles Program, in support of the ongoing war on Terrorism and Al-Qaeda.
- After receiving initial system level training, to include hardware and software operability and system interaction (software/firmware installation, updates, etc.), the position called for me to be imbedded with a US Army 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.

Sr. Field Service Engineer

Raytheon Company - US - Multiple Locations

July 2014 to March 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), requiring the same type of synchronized collaboration that air traffic controllers require on taxiways, runways and skyways around the country.
- The transitions proved to be 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 controlled 80 percent of the terminal traffic in our National Airspace System.
- Previously held FAA/FDT issued Contractor badge (12/2017)

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 anticipated 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 at an extremely remote and hazardous mountain-top location during the assignment. as a US Ex-Patriot.

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.

Surveillance Systems Operator/Sr. Maintenance Engineer

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

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 CLASSIFIED 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

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

- 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 CLASSIFIED Digital and Analog Imagery and other Intelligence products.

Education

Associate in Science (AS) in Computer Information Systems

San Diego Miramar College - San Diego, CA
August 1995 to June 1997

Bachelor's degree in Computer Science

San Diego State University - San Diego, CA

Skills

- Field Service
- Sensors

- Firmware
- Microsoft Office
- Avionics
- Intelligence Experience
- DoD Experience
- Program Management
- Computer Networking
- Software Troubleshooting
- Operating Systems
- XML
- Service technician experience
- Writing skills
- Laboratory experience
- Communication skills
- Editing
- Computer skills
- Agile

Links

<https://m-simms.wixsite.com/msimms>

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](#)

Indeed Assessments provides skills tests that are not indicative of a license or certification, or continued development in any professional field.