Ahmed Abdelmohssen

Email: ahmed.abdulmohssen@gmail.com | Phone: +1 (443) 617-0370

LinkedIn: linkedin.com/in/aabdelmohssen

Location: Open to relocation across Europe | Security Clearance: Active | Languages: English, Arabic

Professional Summary

Senior Electrical Engineer and Technical Program Manager with over 8 years of experience leading radar systems, robotics, and defense technology programs. Proven success in both RDT&E and mature program lifecycles, including DSP development, systems integration, acquisition strategy, and cross-functional leadership. Currently supporting U.S. Navy initiatives through NAVAIR. Open to both on-site and remote opportunities across Europe.

Technical Skills

- Radar Systems (X-band, SDR, Multistatic) | Robotics | Adaptive Optics
- DSP Algorithms – MATLAB, LabVIEW | Programming: Python, C++, Java
- CAD Tools – AutoCAD, SolidWorks, AutoSketch
- Acquisition & Compliance – FAR/DFAR, Vendor Evaluation
- Systems Engineering, RDT&E, Integration, and Testing | SysML | DAWIA Level II Certified

Professional Experience

NAVAIR – Patuxent River, MD

- Electrical Engineer / Program Lead | Aug 2016 – Present
- Directed radar and robotics projects for U.S. Navy, including:
- ASR Program ($30M+): Oversaw radar rollout and sustainment for ESB-class ships.
- Counter-UAS Radar: Designed an X-band radar system under $250K budget.
- RIFLE Program: Developed multistatic SDR-based radar architecture.
- LPAC: Created adaptive optics imaging correction systems.
- Managed vendors, acquisition strategies, and DSP systems using MATLAB and LabVIEW.

NASA Goddard Space Flight Center – Greenbelt, MD

Research Engineer – Thermal & Mechanical Systems | Jan 2015 – Aug 2016

- Designed thermal control systems for airborne instrumentation.
- Developed solar tracking systems using LabVIEW.
- Supported vacuum testing environments and mechanical alignment systems.

Johns Hopkins International – Baltimore, MD

International Care Coordinator | Jun 2012 – Jan 2014

- Coordinated care for international patients across multiple facilities.
- Liaised between embassies, patients, and medical staff.
- Introduced mobile tech systems for communication and scheduling.

Education

- M.S. in Robotics Engineering (In Progress) – University of Maryland, College Park
- B.E. in Electrical Engineering – Morgan State University, Baltimore, MD | Magna Cum Laude | GPA: 3.724

Certifications & Additional Info

- DAWIA Certified – Engineering Level II
- Dean's List | Honor Student | GRADMAP & GESTAR Programs
- Fluent in English and Arabic
- Security Clearance: Active