

# John Haerberle

Lansdale, PA - Email me on Indeed: [indeed.com/r/John-Haerberle/b474d51f2f8ccfd7](https://indeed.com/r/John-Haerberle/b474d51f2f8ccfd7)

Authorized to work in the US for any employer

## WORK EXPERIENCE

### Electrical Engineer

COBHAM DEFENSE ELECTRONICS - Lansdale, PA - 1982 to September 2015

formerly BAE Systems, GEC Marconi, Tracor, & AEL)

### Design and Product Support Engineer, Receiver Product

Radar Warning Receiver - 2006 to 2015

Functioned as a liaison between engineering and operations to handle engineering handoff and product support of various RWR (Radar Warning Receiver) circuits.

- Engineering Lead on various RWR programs such as AN/ALR-67 ASR (Advanced Special Receiver), SIRFC (Suite of Integrated Radio Frequency Countermeasures), and AN/APR 39(V)2.
- Responsible for PBL and production repair issues on the ALR-67 IMIC (Integrated Microwave Integrated Circuit), SFD (Switch Filter Detector), and HARM (High-speed Anti-radiation Missile) CCA.
- Member of the test engineering team responsible for upgrade and maintenance of the ALR 67 STEs (Special Test Equipment).
- Successfully led an obsolete parts replacement engineering effort for 2 components on the HARM control CCA. All original specified requirements were either met or improved upon, This resulted in the production of a hybrid circuit without the additional cost of re-layout.
- Worked closely with Raytheon customer to resolve a transfer curve specification change for the SFD as well as a specification change to the IMIC microwave insertion loss requirement.
- Participated in a CDR for a Raytheon redesign of the HARM CCA. Following the CDR, worked with Raytheon engineers to assure the new design functioned properly.
- Responsible for designing video amplifiers for ALR 67 IMIC receiver STE along with other analog circuit designs such as sequencing regulators and switch driver decoders used on the SEWIP Block II (Surface Electronic Warfare Improvement Program) system.

### Support Engineer, ALR

Radar Warning Receiver - 2007 to 2007

Participated on a team effort between BAE Systems, Raytheon and the Navy to set up a repair depot for ALR 67 at the FRCSE (Fleet Readiness Center Southeast in Jacksonville).

### System Engineer

Radar Warning Receiver - 2006 to 2007

Re-designed and upgraded custom analog and digital circuits, which included self-test generation and video filtering to allow for accurate measurements of the receiver IAW specification requirements.

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### Design Engineer

COBHAM DEFENSE ELECTRONICS - 2004 to 2006

Responsible for the design of several analog circuits, which included voltage regulators, RF bit detectors, VVA, and RF amplifier blanking circuits. Worked on an advance technology team to develop two proof- of- concept Antenna Systems.

### **Engineering Technician, Receiver Development**

COBHAM DEFENSE ELECTRONICS - 1996 to 2003

Provided prototype, breadboard design and hardware development of various electronic circuits such as analog control circuits used in an SDLA, Video Amplifiers / Temperature Compensation circuits, switch decoders and drivers, and bias and temperature compensating voltage regulators.

Collaborative development of several analog circuits with the Lead Engineer to design, build and test a temperature compensated BIT / VVA, a DLVA and a high-speed switch driver / modulator.

### **Engineering Technician**

COBHAM DEFENSE ELECTRONICS - 1988 to 1995

Collaborative development of several analog circuits such as ASR Video Pre-amp, Pulse-on-pulse DCVA, voltage regulators, temperature compensation circuits for MMW amplifiers, plus collaborative development of a wideband high-intercept, low-spurious response IF amplifier and various voltage regulators required to bias the RF electronics of a Tuner.

### **Engineering Technician, Receiver Development**

COBHAM DEFENSE ELECTRONICS - 1982 to 1987

Collaborative development of several analog circuits such as fast ALC circuits, RF and MW switch drivers, MW bit detector, temperature compensating circuits for the MW amplifiers, CVA, regulator circuits and video preamplifier / cable driver.

## **EDUCATION**

### **Diploma**

DeVry Technical Institute Woodbridge NJ

## **SKILLS**

Troubleshooting,, Troubleshooting, (10+ years), Electronics (10+ years), Customer Service (10+ years), Engineering, Engineering (10+ years), Testing (10+ years)