

STEPHEN B. HAJDUCEK

U.S. Post Office Box 117
Howell, New Jersey 07731
shajducek@optonline.net
732-363-2760

SUMMARY:

Twenty five years overall technical design, analysis and management experience. Over four years technical sales and help desk support experience in the EDA industry. Engineering experience is mostly DoD related with twenty years engineering and technical management experience in systems analysis, design and development of software, firmware and hardware for both commercial and military applications involving ATE, RFID, COMINT/SIGINT, Sensors and Weapons systems.

QUALIFICATIONS:

- Proven record of sound management principles resulting in successful project scheduling and completion.
- Consistently rated superior in both technical expertise and supervisory ability by all employers.
- Focused, creative, persuasive, adaptable, logical and analytical in dealing with both people and assignments.
- Demonstrated application of a broad background in electronic, mechanical and software engineering skills.
- Proven experience in performing technical research, systems analysis and technical writing.
- Possess a proven ability to quickly acquire new skills as systems and project requirements demand.
- Self-starter that manages activities with little day-to-day guidance or interaction from upper management.
- Skilled at managing staff and multiple critical tasks simultaneously and reprioritizing as needed.
- DoD Security Clearance: Previously cleared to TSC by Defense Investigative Service (DIS).

SPECIFIC EXPERIENCE:

Systems Consultant
Lakewood, New Jersey

1989 - Present

- Perform consulting services on fixed cost or retainer/product royalty based development projects.
- Most recent efforts have been the development of radio receiver control libraries (.DLL/using C++) in support of COMINT/SIGINT tools supporting commercial and military grade communications receivers through UHF.
- Provide pro bono support to U.S. Army Military Affiliate Radio System (MARS) on the MARS-ALE software development team as lead developer of the software based MIL-STD-188-141A Automatic Link Establishment (ALE) solution using a PC sound device based modem/controller with MIL-STD-188-141B extensions.

Beta Lambda Inc.
Englishtown, New Jersey

Oct 2000-Jan 2005

Applications Engineer

- Beta Lambda Inc. is an Electronic Design Automation (EDA) CAD tools and technical services sales company with a territory of Southern NY through Virginia. The flagship product line was FPGA/ASIC Hardware Development Language (HDL) tools supporting C, Verilog and VHDL to include HDL Designer, ModelSim, Leonardo Spectrum, Precision Synthesis and FPGA Advantage from Mentor Graphics Corporation as well as other HDL CAD tools running on MS-Windows, Linux and Unix.
- Sales Recognition: Beta Lambda received ModelSim Top Sales award in 2000. I personally received Mentor HDL Team Excellence in 2001 and Mentor HDL Designer Sales Excellence in 2002.
- Working from corporate and home office, I was responsible for managing the NJ sales office and inside sales for the entire territory while also supporting the Field Sales Engineer's. Involved with all aspects of Beta Lambda's sales and tactics to assure company sales goals were achieved in all market segments.
- Responsible for the daily review of quotations and the processing of all purchase orders received.

- Responsible for building and leveraging relationships within customer organizations to solve technical hurdles and foster awareness of our products, solutions and technical staffing services.
- Developed new customers through outside technical seminars and sales events in conjunction with corporate Inside and Outside Sales Representatives on joint account calls, webinars and account planning.
- Responsible for pre-sales and post-sales telephone support to arrange for demonstrations, evaluations and product startup installation and technical support territory wide for all product lines.
- Provided software installation help desk support for all tools regarding Macrovision FlexID licensing.
- Authored a winning proposal for Naval Research Laboratory (NRL) contract award N00173-04-C-2038 for FPGA CAD software tools. This was the first effort in Government contract bidding by Beta Lambda.
- Authored a proposal against Navy Small Business Innovative Research (SBIR) requirement N05-073, "Advanced RF Power Amplifier Techniques", where in a Phase I effort, a Doherty amplifier with DSP Pre-distortion approach is proposed, along with analysis methods and tools to model the proposed amplifiers performance. The goal is to achieve a high efficiency, low distortion amplifier. The results of this effort are pending Navy approval.
- Managed the corporate ACT based network/database server, office computers, laptops and HP CE based PDA. Maintained interface to the remote Mentor Corporate Onyx based, RSA secured customer database performing SQL queries for marketing research.
- Maintained corporate web site, e-mail list servers and 10 dual Windows/Linux OS training/seminar laptops.
- Also provided support for Quest Consulting Inc., a Beta Lambda company that focuses on the placement of FPGA, ASIC, DSP and Wireless engineers as right to hire consultants and full time employees.

Sovereign Technologies Corporation
Brick, New Jersey

June 1997- Apr 2000

Director of Systems Engineering

- Responsible for proposal development, PalTrack system quotation development, risk mitigation on all corporate projects.
- Assigned as point of contact for customers to resolve system related issues and facility security officer.
- Established project priorities, task assignments and completion deadlines.
- Ensured quality and productivity standards were maintained while meeting project/client deadlines and budget constraints.
- Responsible for systems development planning as to manpower and other corporate resources.
- Supervised the integration management on all projects of hardware and software.
- Responsible for components identification, source sampling, source selection and procurement.

Senior Engineer

- Project Leader, later Project Manager for the U.S. Army Improved Remotely Monitored Battlefield Sensor Systems (I-REMBASS) Advanced Monitor Display System (AMDS). Guided the continuing development of the AMDS v2.0 software for MS-Windows which has evolved into a complete Graphical Information System (GIS) toolset for the I-REMBASS Ground Mounted Sensor System (GMSS).
- Developed an improved Simulation and Training tool for AMDS/PPS-5 Radar mission data simulators under Windows 98 providing an RS-232 and DDE interface.
- Developed a TCP/IP interface between AMDS and the Distributed Interactive Simulation (DIS) for the U.S. Army Nightvision and Electronic Sensors Directorate Survivability Integration Laboratory (SIL) providing simulation of Intelligence/Electronic Warfare (IEW) and attack systems in near real-time to optimize precision targeting, particularly against moving and short dwell targets.
- Provided electronic engineering and embedded systems development in support of the design, development and testing of the RS-485 networked PalTrack RF telemetry based asset and personnel tracking system.
- Developed the PalTrack database application installed at NASA/Goddard and managed the rapid prototyping of the PalTrack asset and inventory tracking systems data entry modules written in Visual Basic/SQL for Secure Care Inc. and the Veterans Administration.

Engineering and Professional Services (EPS) Incorporated
Tinton Falls, New Jersey

July 1993 – June 1997

Senior Engineer

- Provided analysis, comment and recommendation on a wide range of technical subjects and U.S. Army CECOM Software Engineering Directorate (SED) customer relations topics in direct support of the EPS Project Manager in pursuit of business growth.
- Supported the Project Manager in the interview process for the staffing of all technical positions contract wide.
- Provided life cycle software engineering to the Army Communications-Electronics Command (CECOM) Software Engineering Directorate for Night Vision Electro-Optic Systems
- Project Leader on the Improved Remotely Monitored Battlefield Sensor System (I-REMBASS) and Advanced Monitor Display System (AMDS). Responsibilities included: managing staff of three programmers and one technical writer, performance evaluations for salary review, project development planning and scheduling, quality control and risk abatement.
- Implemented Rapid Application Development (RAD) techniques in implementing National Imaging and Mapping Agency (NIMA) Digital Terrain Elevation Data (DTED1/2) and ARC Digitized Raster Graphics (ADRG/CADRG) Mapping formats for AMDS.
- Project Leader on the Forward Area Air Defense Electronic Support Measures System (ESM) Non-Cooperative Target Recognition (NCTR) System AN/VSX-2 Avenger Ground to Air Missile System.

Planning Research Corporation (PRC)
Eatontown, New Jersey

September 1990 – July 1993

Systems Analyst

- Assigned to Intermetrics/PRC U.S. Army CECOM IV&V contract (DAAB07-90-D-B802). Performed hardware/software Independent Verification and Validation (IV&V) to include Requirements Analysis, Design Analysis, Test and Evaluation, Program Documentation Review and Automated Test Equipment (ATE) Test Program Sets (TPS) analysis in support of the U.S. Army CED, Fort Monmouth, New Jersey.
- Supported U.S. ATE systems AN/USM-410 Electronic Quality Assurance Test Equipment (EQUATE) and the Integrated Family of Test Equipment (IFTE). Also supported the Command, Control, Communications and Intelligence (C³I) Systems AN/GSC-40/40B Joint Chiefs of Staff (JCS) Satellite Communications Terminal and AN/TYC-39(V) Message Switch Automatic Central Office. In addition performed tasking on the Navy World Wide Military Command and Control System (WWMCCS).
- Performed Software Configuration Management Plan Reviews, Audit Checklist Generation, Audit Checklist Implementation, Functional Configuration Audit (FCA) and Physical Configuration Audit (PCA) and Walkthroughs in accordance with Army Regulation 70-37, DOD-STD-480B and other applicable standards.
- Performed requirements analysis on Program Performance Specifications (PPSs), Program Design Specifications (PDSs), Program Description Documents (PDDs) and Data Base Design Documents (DBDDs). Participated in design analysis through the review of PPDs and source code (Ada, C-Atlas, Pascal), participated in design reviews, and Software Configuration Control Boards (SCCBs).
- Functioned as a government test witness at Formal Qualification Testing (FQT) on the AN/GSC-40/40B, the Integrated Family of Test Equipment (IFTE) and the AN/USM-410 Electronic Quality Assurance Test Equipment (EQUATE) ATE Systems.

Entron Industries (Lavoire Laboratories Div.)
Morganville, New Jersey

June 1982 – June 1989

Assistant Senior Engineer

- Responsible for the design and development of both hardware and software for Environmental Stress Screening (ESS) Automated Test Equipment (ATE) systems.
- Designed the Special Test Equipment (STE) systems to meet Air Force requirements to provide Test Analyze

and Fix (TAAF), Production Reliability Acceptance Test (PRAT), Acceptance Test Procedure (ATP) and Burn-in testing of Air Infrared Missile-9 (AIM-9) "Sidewinder", missile launcher power supply sub-systems.

- Implemented MIL-STD-810 Environmental Test Methods, MIL-STD-2077 General Requirements for TPS, MIL-STD-1801 User/Computer Interface, MIL-STD-334 Displayed Messages for Automated Test Equipment
- Developed custom ATE application software for real-time operation of the networked ESS ATE systems, which included computer controlled test equipment, AGREE temperature cycling chambers with Ling and Unholtz-Dickie random vibration equipment.
- Developed a software based test generator which enabled a key operator to select Test Program Sets (TPS) from various setup menus, while allowing batch or key operator interactive test operation.
- Responsible for system wide documentation in accordance with MIL-HDBK-63038-2(TM), configuration management, training and management of supporting test personnel and on-line systems support services.
- Designed, developed and tested portions of the power supply/missile launcher PP2401D/A and PP9999M-1 (national stock number 1440-01-069-8430AB) for the AIM-9 Sidewinder missile.
- Provided failure analysis to the Senior Engineer for the generation of Equipment Improvement Reports (EIRs) and Engineering Change Proposals (ECPs).

ITT Corp., Avionics Division
Nutley, New Jersey

June 1981 – June 1982

Tester-Engineering Specialty

- Assigned to the U.S. Air Force ALQ-117 Electronic Countermeasures (ECM) System used on B-52 bombers. Duties included: environmental testing, trouble shooting, failure analysis and repair of the black box systems high and low voltage power supply and testing of the systems Traveling Wave Tube (TWT) amplifiers. Worked with voltages ranging through 15Kv D.C. potentials, modulated video signals and r.f. through 18Ghz. at pulsed Kilowatt levels.
- Participated in the preliminary testing of the Single Channel Ground and Airborne Radio System (SINCGARS) developed by the ITT Defense Communications Division (DCD) for the U.S. Army CECOM, Fort Monmouth.

PROGRAMMING LANGUAGES: Assembler (Intel x86, Motorola 68xxx, Atmel MCU, Microchip PIC), Ada, Access, ATLAS, dBase/FoxPro, HTML, Java, Java Script, LabView, Pascal, PowerBuilder, SQL, Visual Basic, Visual C/C++/MFC and others under MS-DOS, MS-Windows, Unix/Linux and VMS.

EDUCATION: Electronic Technician Diploma, DeVry Technical Institute 1981
BSCS, Kennedy-Western University, Pending final paper submission.

TRAINING: Ada Programming Course, FasTrak Training Inc., 4 CEU's, August 1994
Intermetrics Effective Technical Writing Course 1991
U.S. Army IFTE Test Program Set Development Training 1991
NCMA Contract Procurement and Management Course, 1990
NCMA Solicitations, Bids and Proposals Course, 1989

AWARDS: U.S. Army Certificate of Appreciation Armed Forces Day 1996
Syracuse Research Corp. Certificate of Appreciation, ARAT Course Refinement 1993
PRC Exceptional Performance Award 1992
PRC Warfare Systems Operations Center Quality Award 1991

INTERESTS: Amateur Radio – Hold FCC Extra Class Amateur License
American Radio Relay League (ARRL) Member/ ARRL Volunteer Examiner (VE)
ARRL/FCC Auxiliary Official Observer (OO)
Member U.S. Army Military Affiliate Radio System (MARS)
National Communications System (NCS) Shared Resources (SHARES) Radio Operator
Radio Officer Lakewood Township Office of Emergency Management (OEM)

REFERENCES: Available upon request.