

Greg S. Sullivan

Objective

To develop software that delivers rich features, high performance with ease-of-use.

Target Job

Software Developer (application or embedded) or Development Lead in a professional but casual work environment with focus on quality results.

Target Location

Interested in opportunities preferably in the Augusta, GA area or telecommuting with occasional travel. Willing to relocate for the right opportunity.

Technical Skills

- **Programming:** C/C++ (MS Visual C, Borland Builder), Assembly (Mitsubishi M16C, Intel x86, Motorola 68HC11 & CPU32, MCS6510/6502), Win32 API, MS Embedded Visual C, Visual Basic/VBA, HTML, JavaScript, Pascal, Ada, Java.
- **Protocols/Hardware:** DeviceNet, EthernetIP, MDB, DEX/UCS, TIA/EIA-232, TIA/EIA-422, CRC-16, CRC-32
- **Software:** SoftICE, IDA, W32Dasm, XRAY, EMP-20, MS Office, Visio, PowerLogic, PowerPCB, PVCS, RCS, MATLAB, SPICE, Altera MAX+PLUS II, Microstation, CADKEY, Pro/Engineer, Pro/Intralink, Pro/Admin
- **Operating Systems:** WinXP/9x/2K/NT/CE, MS-DOS, Linux, UNIX, Mac OS

Career Skills

- Focused on producing high-quality results in a time- and work-efficient manner.
- Resourceful and tenacious problem-solving.
- Work well in both independent and group environments.
- Capable of working with both technical and non-technical individuals.
- Strong personal skills
- Experience in technical lead and supervisory roles

Professional Experience

Sep 2005 – Present

Cooper Power Tools

Lexington, SC

Supervisor - R&D - Electrical

Jun 2006 – Present

- Lead team of 3 software developers and 1 electrical engineer on multiple concurrent new product development and advanced technology projects.
- Write target specifications and develop hardware & software timelines.
- Coordinating development activities with internal and external contract services.
- Developing in-house PCB design capability to improve design efficiency and achieve cost reductions

Supervisor of Software Development

Sep 2005 – Jun 2006

- Lead team of 3 software developers producing Windows CE based software (new products and support) used for safety-critical fastening applications in automotive and aerospace industries.
- Coordinate software development and testing with engineering in Germany and Detroit, MI.
- Pursued customer-specific software projects as a previously untapped market.
- Perform customer visits for product support and new business development.

• Additional Contributions:

1. Develop software to streamline test and deployment, and production.

Oct 2000 – Sep 2005

Dixie-Narco, Inc

Williston, SC

Senior Engineer / Controls Lead – R&D / Project Lead

Mar 2003 – Sep 2005

- Lead cross-functional team for major product development project
- Manage controls group personnel (software, hardware, technician) ensuring proper alignment and tasking to support multiple R&D projects.
- 5 direct reports (controls group), 3 project reports (non-controls)

Software/Electrical Engineer

Oct 2000 – Mar 2003

- Develop and optimize embedded software (C, Assembly) in vending machines for deployment into both traditional and new market segments. Implement functionality to support internet auditing and monitoring hardware.
- Write console and GUI software for Windows (using C, C++, Borland Builder) to support development activities and automated testing of PCBs.
- Perform limited hardware design, schematic capture and PCB layout (using PowerLogic and PowerPCB).
- Additional Contributions:
 1. Perform management duties in support of Director of Controls Engineering
 2. Represent Dixie-Narco on NAMA Technical Standards Committee and TSC Working group twice yearly to maintain industry standards specifications.
 3. Act as technical representative during trade show and provide support to sales personnel during show setup.
 4. Provide regular product support to sales, service and production groups as well as interfacing directly with customers to address issues and feature requests.
 5. Administer revision control system (CS-RCS) for group software development activities
 6. Perform ad hoc software configuration management duties.
 7. Assisted in specification of hardware requirements for controller design.
 8. Create customized software configurations for service department refurb activities
 9. Drove implementation of software development and documentation procedures in electronics group
 10. Assist in regulatory compliance testing (UL, FCC, TUV, etc.)
 11. Act as System Administrator for R&D and Product Engineering group (60+ associates) in support of IT staff

Jan 1998 - Oct 2000 **ALSTOM Signaling** **Rochester, NY**
Design Engineer, Technical Lead **(Telecommuted from Aug 1999 – Oct 2000)**

- Designed, coded (in C, Assembly) and debugged (using XRAY and VisionICE) embedded software components for train control systems.
- Served as Technical Lead of 2 subsystems during design and testing phases of a train control system. Wrote subsystem requirements and design documents, managed internal sub-contractors, and directed group design and test activities. Performed functional subsystems demonstration for customers.
- Developed tools (using C++ and Borland Builder) to support system development, testing, system metrics, datalogging and to provide user interfaces to system functions.
- Performed functional system testing in both lab and field environments.
- Worked with formal procedures and design practices implemented to support ISO 9000 compliance.
- Additional contributions:
 1. Provided tool customizations to development group to streamline procedures
 2. Reverse engineered and modified obsolete software products in the absence of original development documentation and source code (using W32Dasm and SoftICE)
 3. Assisted IT department in providing computer and network support to the project group.

Fall 1997 **General Railway Signal** **Rochester, NY**
Co-op

- Error tested in-house developed Computer-Aided Application tool.
- Wrote online documentation (using ForeHelp) for CAA software.

Fall 1996 **University of Rochester** **Rochester, NY**
Electrical Engineering Department Teaching Assistant

- Assisted approximately 20 students in a Computer Architecture course through office hours, lab sessions and individual meetings.

Seasonal 1989-1997 **Pool Vac Plus** **Hudson, NY**
Service Person, Owner

- Responsible for servicing 50 swimming pools weekly, performed bookkeeping and invoicing activities.
- Developed troubleshooting, management and client relation skills.
- Work financed college education.

Education

1992-1998 **University of Rochester** **Rochester, NY**

- B.S., Electrical Engineering.
- Xerox Scholarship, Dean's list.
- Coursework with an emphasis on Computer Architecture.
- Course projects involved: microprocessor architecture, design and implementation of central processing unit and instruction set; logic design; microprocessors and data acquisition and conversion; cryptography and computer network security

Excellent references available upon request.