

## **John Murtari**

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### **BACKGROUND SUMMARY**

Extensive technical experience in the computer software field; enjoy and derive a great deal of satisfaction from project work; detail oriented, organized. Very familiar with Open Source tools and methods. Extensive experience with the Web design, PHP & MySQL, CASE tools and Configuration Management Systems; very familiar with UNIX/LINUX workstations and system administration. Self-starter with the proven ability to motivate and lead people.

Special project work:

- Completed software design/implementation for full featured social networking and dating web sites: <http://www.soulmate.dk/> and <http://www.NationalPLC.Org/>
- Development of a Microsoft Windows based application in C & C++. It performed data retrieval and analysis via an RS-232 connection to a remote measurement device.
- Modification of a UNIX Real-time kernel to support embedded system remote debug from a Sun workstation.
- Client/Server defect tracking system using an 'X'/Motif GUI and an Ingres Database.

### **EDUCATION**

**Syracuse University, Syracuse, NY**

M.S. Computer Science

**Jun 1985 - Dec 1986**

GPA 3.4

**U.S. Air Force Academy, Colorado Springs, CO**

B.S. Astronautical Engineering

**Jul 1974 - Jun 1978**

Cum Laude, GPA 3.5, Order of Merit 72/981

### **PROFESSIONAL EXPERIENCE**

**Software Workshop Incorporated, Baldwinsville, NY**

**Feb 1995 – Present**

Systems Engineer – Private company specializing in Web Site Hosting & Design Services.

Very knowledgeable in PHP, PERL, shell scripting, Solaris, Linux (RHEL 4). Administered a complex networking environment using CISCO routers and BGP-4. Lead engineer working on enhancements to the MySQL database server to create ExtSQL.

<http://www.ExtSQL.com/> and <http://www.SoftwareWorkshop.com>,

**Onondaga County Community College, Syracuse, NY**

**Jun 1995 – Jun 1997**

Computer Science Instructor - Taught classes in assembly language, C, and C++. Was able to apply extensive work experience to classroom environment.

**Martin Marietta, Syracuse, NY**

**Sept 1994 - January 1995**

Consultant - Performed design and implementation for a task which involved porting a debug tool from a very old 8086 environment and assembler to an 80386 based system. Accomplished the task in half the allocated time.

**Trident Systems Inc, Fairfax, VA**

**July 1993 - August 1994**

Principal Systems Engineer - Perform system analysis and performance studies on the Seawolf Submarine combat system (BSY-2) at Martin-Marietta, Syracuse, NY. This is one of the largest distributed computing environments ever used on a military system.

**Eclat Technologies Inc, Syracuse, NY**

**Sep 1991 - July 1993**

Project Leader - Managed a custom software development project for Eastman Kodak. This included responsibility for the overall design effort along with the conduct of software development reviews at the customer's facility. The project was a great success and resulted in a very satisfied customer.

Senior Software Engineer - Extensive use of X windows/Motif to support a client server application in a UNIX environment. Experience with C++ developing a Microsoft Windows application for operator control of a remote sensing device.

**General Electric Company, Syracuse, NY**

**Jan 1987 - Sep 1991**

Project Leader - Responsible for the complete integration and test of a \$1,500,000+ software maintenance facility to be delivered to a radar customer. This involved creation of a detailed schedule to integrate the efforts of many different organizations within General Electric. I brought a sense of order to what had been a very fragmented effort.

Group Leader - Lead a group responsible for the communications interface for a military air defense radar. Responsible for timing and sizing estimates. Extensive experience with project management tools..

**Syracuse University, Syracuse, NY**

**Jun 1985 - Dec 1986**

Computer Science Instructor - As a Graduate Assistant designed and taught an introductory Computer Science course based on APL.

**U.S. Air Force, Syracuse, NY**

**Nov 1982 - Dec 1984**

Operations Officer, Recruiting Squadron - Responsible for the supervision of 10 staff members; as second-in-command was instrumental in assisting the commander by formulating and implementing programs to achieve recruiting goals. Extensive experience in handling personnel problems. Played a key role in making the squadron #1 in 1983 for the entire Northeastern United States -- something which had not been done in five years.

**U.S. Air Force, Columbus, MS**

**Apr 1980 - Nov 1982**

T-37 Instructor Pilot - Gave students the knowledge, skill, and confidence necessary to pilot a twin engine jet aircraft through aerobatic, instrument, and formation maneuvers. Earned FAA Certificate as Commercial Pilot; accumulated over 1100 hours as pilot-in-command.