

# John Lipnisky

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Software / Web  
Development  
IT Administration

Career Highlights

**I have over 25 years of software development using the Microsoft platform. I know windows inside and out from Application development to networking.**

### Windows-Developer.com

- Provide my years of User Interface experience in the development of web sites for small, medium and large companies
- Microsoft Networking

### Pacific Consultants

- Developed prototype for Army Land Warrior project
- New mapping software

### Voyan Technology

- Developed the multi layer architecture for the system internals

### Tencor Instruments

- Developed 3D view for wafer inspection using a lazier
- Provided User Interface (GUI) knowledge for the development of the Architecture

### Nueromed Inc.

- Developed the system architecture for medical instrument

### Kikusui International

- Development Manager for new product using the PC as a platform
- Designed software and hardware for the product

### Modular Test Systems, Inc.

- President and Founder
- Test System for PC-based test products
- Designed software and hardware for the product

### Skills

Microsoft Networking, Visual Studio, Visual C++, ActiveX, COM+, COM/DCOM (ATL), C, C++, C#, .NET, MS Windows, Assembly, Windows Development (internals support, Multi-Threaded), Object-Oriented Design (OOD) & Analyses (OOA), UML, pSos, XML, ODBC, AOD, Oracle, PHP, MySQL, HTML, CSS, XHTML

### Additional Information

#### Interest

Classic Cars, Travelling, Running (run 5K)

#### Abilities and attitude

Ready to work within a team or as an independent contributor on a project; Ready to take on new challenges;

John Lipnisky



## Job History

9/2008                    **Windows-Developer.com**  
To Present            Cape Coral, FL            CONSULTING ENGINEER

I developed websites using html, CSS, PHP and MySQL for Database. The sites are developed as an Interactive web2.0 using a database. Using an Administration Page to managing the database driven site requires no programming knowledge. Routine changes are implemented in a user friendly form desk-top interface.

I also provided Microsoft networking support for customers, both wireless and Ethernet. I have provided hardware and software for networking.

2/2008                    **Clearone**  
To 8/2008            Salt Lake City            CONSULTING ENGINEER

I provided development assistance for an ATL C++ COM server. This sever provides the interface between the GUI and the hardware. It has a RS232 interface to the hardware and uses the COM as the interface to the GUI. I wrote the documentation for the Server Architecture and provided an analysis for the add-ons for future development.

I developed a converter for the next release of the development. It will convert the present binary data files to XML data format for backwards compatibility. The converter is a DLL that has two 'C' functions for interface. It does the conversion to XML, checks the XML data against a XML schema, and provides an error log.

1/2003                    **Windows-Developer.com**  
To 1/2008            Cape Coral, FL            CONSULTING ENGINEER

I developed a Photo Organizer product using MS Visual C++ with Active X and COM Product. The application uses Microsoft's signal-document interface in the document architecture to interface with the database. The application is a customer product. It provides the user the ability to categorize and describe photos that can be used to search for photos on your computer. The application provides the user the ability to take photos from the camera to the computer and put them in an organized manner on your system. It also provides the ability to move the photos to a CD for backup and or general storage.

I developed web sites using html, PHP and MySQL for Database. I provided general C++ programming for other small applications. This was general debugging and application enhancements serviced via tell-commuting.





**Job History  
Continued**

7/93                    **Nueromed Inc.**  
To 2/94                Fort Lauderdale, FL                    SOFTWARE ARCHITECTURE

Developed a pen based medical instrumentation application using Object-Oriented Design, C++ in Windows 3.1. The application is developed using the Borland Object Windows Libraries (OWL).

It provided an interface via the RS232 port to the instrument. The System uses the Paradox database and is interfaced via the engine to application.

3/93                    **TRW Credit**  
To 6/93                Dallas, TX                                CONSULTING ENGINEER

I developed a Windows Server application for a credit reporting system. The development is an Object-Oriented Design using the Borland C++ Object Windows Libraries (OWL).

6/92                    **MobileDigital**  
To 2/93                Alameda, CA                             CONSULTING ENGINEER

Developed a mobile networks system in C, that is a multithreaded system that uses seven-layer stack design (OSI), and is portable to a number of platforms (Mac, DOS, Windows 3.1, etc.).

3/92                    **C-Cube**  
To 5/92                San Jose, CA                             CONSULTING ENGINEER

I developed a Multimedia Driver for windows 3.1 using the DDK. I developed the low-level hardware interrupt routine for the Audio interface. I also was responsible for the interface with the Video in MPG format. .

7/91                    **Bieza Systems**  
To 1/92                San Jose, CA                             CONSULTING ENGINEER

I developed the software/firmware in C and Assembly for the SCSI interface and print control of a 64180-based Bubble Jet Printer. The data is in a bit map format. I developed a conversion program for TIFF format. I wrote Printer Device Driver for Windows 3.0 and the SCSI interface.

1/91                    **Alldata Systems**  
To 6/91                Sacramento, CA                         CONSULTING ENGINEER

I redesigned the SCSI interface for a 68000-based system. I wrote the SCSI control in C and Assembly language to allow it to be used as a target or initiator. I developed a SCSI interface for the PC (EISA card) using C and Assembly language. The card is I/O mapped and uses a DMA channel.

## Job History Continued

1/89                      **Kikusui International**  
To 1/91                  El Dorado Hills, CA                      PROJECT ENGINEERING MANAGER

Managed, designed and developed the software and hardware for VXI (VME) based Automatic Test Equipment Digital Tester line. Organized the system architecture and wrote the software specifications. Developed a 50 MHz pin driver. This VXI board had 96 pins by 32K of static CMOS hi-speed RAM and state machine for control.

I wrote an Input module that required the development of an input test language. The Debug module required display of the data in real-time. The Execute module is a hardware monitor program with data display, capture and recovery routines. The interface modules provided low level calls for customer use.

I developed a GPIB interface for the system to provide an access to other external interments.

I developed an interface for Windows 3.0 environment. The Input is in three windows-- a Test Editor, an Assembler, and a Test Program Formatter. The Debug/Execute Group has setup, GPIB, Run, Debug and Monitor windows. The Debug/Execute required real time interface to hardware and communications between the windows. The Window Message and Dynamic Data Exchange (DDE) protocols were used for the communications between the windows. The setup Window used a Dynamic Linking Library (DLL) as the interface link to the hardware.

9/84                      **Modular Test Systems, Inc.**  
To 1/89                  Campbell, CA                      DESIGN ENGINEERING MANAGER  
AND PRESIDENT

I developed the hardware and software for PC-based test products for design verification of ASICs and board level products, which included functional, DC parametric, GPIB, and analog test modules.

Developed a business plan, which was a major part of the sale of the product to Kikusui.

4/87                      **SOFTWARE CONSULTANT** (CONCURRENT Independent work)  
To 1/89

Developed MS/DOS software, which allowed the reprogramming of numerically, controlled pick-and-place integrated circuit handlers. The program provided a graphic interface for the handler's reprogramming; so that the user needed only to draw the dimensions and the system would do the rest.

I developed simulation software for a real time system with stepping motors and position sensors.

## Education

San Jose State, San Jose, California  
Major Computer Science  
West Coast University, Orange, California  
BSEE grade point 3.5  
Other: Management: AMA Seminars, Dale Carnegie