John Lipnisky

239-549-7466 or 408-898-2675

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1709 SW 31st ST Cape Coral, FL 33914

JohnLipnisky@hotmail.com

Software / Web Development IT Administration

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

Career Highlights

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
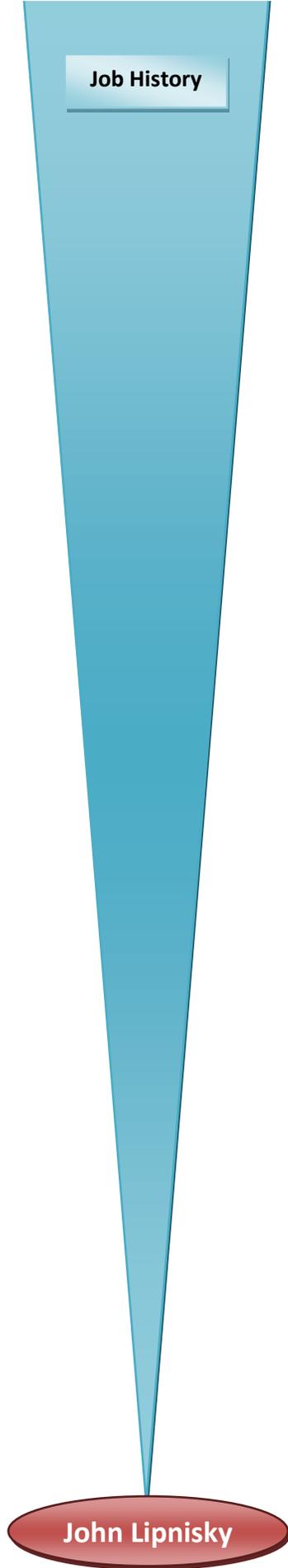
Additional Information

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;

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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.

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Job History Continued

2/2000   **Pacific Consultants**
To 9/2001   Mt. View, CA   SR. SOFTWARE ENGINEER

I developed mapping software for the system that had drawing and symbol placement capability using COM+ ATL and Active X component. The project was an Army development and used Global Positioning System (GPS) and the mapping software to provide an individual soldier with status, tactical and strategic information. The software team had about 25 to 30 people. The development of screens using XML technology was also part of my responsibility. Performed Use Case Analyses (OOA) and developed of the system architecture from the Use Case's using Rational Rose UML tool. I developed an Echelon Chart ActiveX control for the display of the Army Echelon. The system used ATL COM to provide an interface between the server and UI. I developed the COM interface to and from the business logic that handled the map commands.

9/99   **Therma-Wave**
To 1/00   Fremont, CA   CONSULTING ENGINEER
I developed COM objects that are used in the development of a Semi-conductor inspection system.   I also developed Active X components for user interface.

I developed the UI portion using the MFC document architecture

1/99   **Novellus Systems, Inc**.
To 9/99   San Jose, CA   CONSULTING ENGINEER

I developed an MS Windows NT application using Visual C++ MFC that provided a platform for corporate wide standard UI. The developed the GUI and internals as part of a team. My development of an ActiveX control in application provided a uniform look and feel to the UI.   I added in the development of other general use objects using Win sockets.

5/98   **Voyan Technology**
To 12/98   Santa Clara, CA   SR. SOFTWARE ENGINEER

I developed a Controller CAD application for MS Windows NT. The application is a MDI and is in Visual C++ MFC. It provides a step-by-step interface for a Controls Engineer to design a Controller.
I developed the internals for the application. They consisted of designing the interface for use in the communications between objects in the system.
I provided assistance in a pSos development RS232 communications interface to a Windows NT.

1/98   **Applied Materials Inc.**
To 4/98   Santa Clara, CA   CONSULTING ENGINEER

I provided enhancements for a client application that uses Visual C++ MFC and ODBC to a SQL Database. The application provides a method to develop a Bills of Material for specials. This was an application that was used internally by the product engineered.

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Job History Continued

10/97	**Phoenix Tech.**	
To 12/97	San Jose, CA	CONSULTING ENGINEER

I developed a Smart Power BIOS application for Windows CE. The application uses Kernel calls to the IO Drivers to setup time outs for the devices for power conservation.

5/97	**Integrated Systems Inc**.	
To 9/97	San Jose, CA	CONSULTING ENGINEER

Wrote the Esp (pSos Debug tool), a graphical display of the pSos system execution. The development uses the MFC and runs in Windows 95 and NT 4.0.   It provides an Analyzer screen for capturing data.

10/96	**Tencor Instruments**	
To 6/97	Milpitas, CA	SOFTWARE ENGINEER

I developed a Wafer Inspection Instrument using MFC. Cleaned up the design and converted it to NT 4.0. Developed OLE (.ocx) controls and consolidated the applications into a single executable.

5/96	**Harman Interactive**	
To 10/96	San Jose, CA	CONSULTING ENGINEER

I wrote a Driver for an Audio interface control, a communication port interface for an infrared System. I converted the VBX to OLE controls (.ocx).   I developed other OLE controls in C++ using the MFC and Visual C++ tools.

2/96	**PE Nelson**	
To 5/96	San Jose, CA	CONSULTING ENGINEER

I developed a number of applications in Visual C++ using the Foundation Class Libraries. The development was an upgrade from windows 3.11 to Windows 95 and NT. I wrote the GUI and provided NT internals support (threading and multiple process development).

4/94	**Tencor Instruments**	
To 2/96	Mt. View, CA	SOFTWARE ENGINEER

I developed the Wafer Inspection Instrument Software on the Windows NT platform using multiple processes and threads. As part of a team, we developed the User Interface using Microsoft Visual C++ Foundation Class Libraries. The development was an Object-Oriented Design that used messages passing between the processes, threads, and windows. I developed a number of DLL's for display (in 3D), printing, system interface and control.   I developed a data communication system as part of the system interface using a memory-mapped file.

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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.

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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

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