

Michael T. Blake
422 Viscose Avenue Apt. 2
Front Royal, VA 22630
(540) 622-7750

View my profile on 

michael.blake@jinzai-developer.net

Awards and Certifications



Software Development Skills

- Microsoft Visual Studio - all versions to 2022
- Microsoft Visual Studio Code
- Microsoft Visual C#
- Microsoft Visual C++
- Microsoft VisualBasic / QuickBasic / VBScript
- Microsoft .NET Framework 2.0 - 7.0
- Microsoft Macro Assembler 5.0 - 6.13
- Microsoft SQL Server 2005/2008/2012/2016/2019
- Microsoft Windows API 16/32/64 bit
- Microsoft Foundation Class library (MFC)
- Windows Communications Foundation (WCF)
- Windows Presentation Foundation (WPF)
- Java, Javascript, JSON, Ajax, XML, LINQ, HTML, CSS, Spring Boot, Node/NodeJS, Angular
- Microsoft Office / Office Automation / Microsoft 365
- Intel XDK for IoT Yocto Linux / NodeJS
- Raspberry Pi (Raspbian distros)
- Parallax Propeller (Spin)
- Arduino Uno / MegaADK

Experience

I have been programming computers and programmable devices since 1984. My primary training was as an electronics technician specializing in data acquisition systems, which I have studied in depth for over 35 years. I have created numerous applications and devices over the last 30 years, and I am active online in technical

matters such as IoT with microcontrollers, astrophotography and programming in general. I own several domains and operate websites as well as subdomains.

04/22 - 01/23 Application Developer

Pinnacle Technical Resources, Inc.
10670 North Central Expressway Suite 600
Dallas, TX 75231

Support client Windows Applications Support desk for users. Develop and maintain legacy systems in diverse environments (ASP, Linux, ASP.NET, .NET, etc.). Update and upgrade local and third party applications in the enterprise environment.

03/19 - 01/22 Application Developer

Development Infostructure, Inc.
10200 Sunset Drive
Miami, FL 33173

Maintain, upgrade and update Department of State Worldwide Refugee Admissions Processing System application, implemented as ASP/ASP.NET web application system in a hybrid of VB.NET and Java applications.

08/14 - 09/18 Application Programmer / Analyst

Modern Woodmen of America
Rock Island, IL

Develop Winforms and WebForms applications, as well as WCF services to interface with vendors and provide in-house utility. Wrote several WCF applications, including an autonomous Internet Speed Test and software update system for autonomous update of remote laptops and an ACCORD data collection system. Converted financial services data into Federal Reserve Reporting document complying with the XML schema published by FRB. Work to repair production issues in a timely fashion and update 13 in-house integrations. Convert obsolete software to current platforms and assist migration from mainframe to PC.

02/13 - 07/14 Software Developer

Agworks
Davenport, IA

Develop WCF services for communicating with vendors and clients. Develop field applications for agronomists and farmers. Used full stack - Microsoft .NET MVC, Sencha ExtJS with SQL Server backend. Android mobile

development of field data collection with local storage in occasionally connected scenarios.

10/08 - 02/11 Software Developer

Superior Labels, Inc.
Bettendorf, IA
(563)391-2748

Developed .NET class libraries, Windows Communications Foundation services, Windows Presentation Foundation and ASP pages, as well as .NET Forms based database driven applications to support online services provided by the company. The application is presented using VisualBasic.NET and Javascript. The back end is SQL Server 2008, and the production applications are .NET Forms applications, using data access from .NET and the Enterprise Library. The class library exposes a VB6 to .NET interface and creates graphics using both GDI and GDI+ (.NET) through the standard Windows Interop system. The interface used is the Component Object Model (COM) available in Windows.

5/95 - 10/00 Software Developer/Lead Programmer

Mehta Tech, Inc.
Eldridge, IA

MTI manufactures data acquisition systems for electric utilities. I wrote RS-232 and network code, the data acquisition device configuration utilities, and display and analysis code. I wrote code for them at all levels, including:

- BIOS level code, including BIOS engineering
- 16 and 32-bit DLLs
- ActiveX Controls
- Proprietary hardware level network protocol
- 16 and 32-bit Applications (Microsoft Foundation Class)
- Office 97 Automation for data conversion

In my role as Lead Programmer, it was my responsibility to keep the other programmers in the department productive. I also worked with my supervisor and other department heads establishing MTI's overall software direction. I was the technology lead in all aspects of Windows, and embedded DOS projects at MTI, and handled tech support calls with new products for three years.

9/93 - 6/94 System Test Technician

Mehta Tech, Inc.
Eldridge, IA

I was responsible for testing, configuring, calibrating, repairing and documenting multiple channel rack mounted industrial data acquisition systems prior to delivery to the customer.

11/89 - 10/92 Shipboard Communications Technician

General Electric Government Services
P.O. Box 31325
Honolulu, HI 96820

SURTASS is a Navy program that provides passive sonar data to shore facilities. I stood watch, maintained all communications systems, various bridge equipment, the array subsystem, and was Cryptographic Material Custodian. During this time, I developed an RS-232 to MIL-188 data converter as well as software to use the system for all teletype communications using an IBM-PC.

9/87 - 12/88 Field Service Technician

General Electric Government Services
P.O. Box 5902
Virginia Beach, VA

GE had a contract to build, test and install 8 AN/UQQ-2 systems. This was done at a Land Based Test Site in Virginia Beach, VA and on-site in Oakland, CA. I was responsible for the Communications subsystems. All systems were accepted by the Navy ahead of schedule and under budget.

12/85 - 8/87 Shipboard Communications Technician

General Electric Government Services
P.O. Box 5902
Virginia Beach, VA

Same as above, but these ships operated in the Atlantic.

03/82 - 09/85 Electronic Warfare Systems Specialist (AFSC 328X3)

US Air Force
20th Aircraft Maintenance Unit
George AFB, CA

Maintained and repaired Radar Homing and Warning and Countermeasures Dispensing equipment aboard F-4E aircraft. Honorably discharged 09/14/1985. Final rank E-4.

Education

- 10/10 Axia College of University of Phoenix - Associate's Degree in Information Technology /

Networking

- 03/00 New Horizons - Advanced HTML 4.0
- 02/00 New Horizons - Intermediate HTML 4.0
- 01/00 New Horizons - Beginning HTML 4.0
- 11/94 NRI Electronic Circuit Design
- 08/87 Mariner's Pathfinder Radar Operations and Maintenance
- 07/87 Analog/Digital Signal Conditioning Unit
- 07/86 SURTASS Communications Subsystems
- 06/86 Acoustic/Non-Acoustic Array
- 05/86 SHF Satellite Communications
- 04/85 Non-Commissioned Officer's Prep
- 10/84 High Reliability Soldering
- 09/84 Maintenance Data Collection System
- 01/83 Electronic Warfare Systems Specialist (EBR328x3)
- 07/82 Basic Electronics
- 05/82 USAF Basic Training
- 06/81 High School Diploma