William Morgan

SOFTWARE ENGINEER IN ST. LOUIS, MO

PHONE 217-686-4926 | **EMAIL** billm@wamusa.com
GITHUB https://github.com/Bill-Morgan | **LINKEDIN** https://www.linkedin.com/in/william-morgan-a7ab6837/

I have built a successful business that can continue operation without my day-to-day presence and I am anxious to apply and extend my programming skills with an area business.

LANGUAGES			FRAMEWORKS	DATABASES	TOOLS	OS's
• Java	• Basic	• PHP	• Spring Boot	• MySQL	• Intellij	• Linux
• Python	• Visual Basic	• Fortran	• ASP	• MS SQL	• Azure	• Windows Server
• JavaScript	• VB Script	• HTML5/CSS3	• .NET	• MS Access	• Brackets	• Windows XP-10
• C	• Assembly	• AutoIt			• Gradle	

PROJECT EXPERIENCE

The Family Connection — A Genealogy Social Networking Website
- Designed and built TheFamilyConnection.org. A genealogy/social media website. (A work in progress)

Midwest Cylinder — Inventory, Test and Billing Software
- Developed a Windows based Inventory, test and billing program for a compressed gas cylinder testing company. The software was written in Visual Basic and used an Access Database.

The Kwaj Phone Book — Phone book directory project
- Authored a DOS based phone book program program while living on Kwajalein Island Missile Range in the Republic of the Marshall Islands. The program was written in GW Basic. The data was stored in an encrypted CSV file.

WORK EXPERIENCE

Owner, WAM Computers, Inc., Litchfield, IL. — AUGUST 1994 - PRESENT
- Started WAM Computers in 1991 and in 1994 opened a store front as computer sales and service full time business
- Became a dial up ISP in 1996 and a rural wireless ISP in 2000 using Alvarion brand radios. Attended Alvarion radio configuration training in 2003. We are now using Ubiquiti AirMax radio systems with 50Mb wireless links at distances as far as 16 miles.
- Developed a computer maintenance program to provide remote monthly tune-up for customers. The software primarily uses free scan tools controlled from main program that I wrote in Auto-It language..

Lead Optics Technician, Dyncorp, Kwajalein Missile Range, RMI — MARCH 1990 - AUGUST 1994
- Managed an optics site with a computer controlled telescope used to track ICBMs in military testing.
- Re-designed a fixed camera system to run from a PC. Previously the camera was tied to a mainframe computer. I wrote the software for this project in C and interrupt routines in Assembly. The redesign required a hardware interface that I designed and built to controlled shutter speed and frame exposure rate and a pulse width modulated motor control. A satellite IRIG-B timing pc card for event timing down to the millisecond was also used in this project.

Nuclear Effects Analyst, Dyncorp, White Sands Missile Range, NM — MARCH 1988 - MARCH 1990
- Performed circuit analysis of the electronics of military equipment to determine the failure point in nuclear environments. This analysis was compared to component test data for pass/fail determination.
- Traveled to manufacturing facilities to present methodology and findings to management and engineering staff.

SSG E-6 US Army — JUNE 1979 - MARCH 1988
- FEBRUARY 1985 - MARCH 1988 White Sands Missile Range, NM., Nuclear Effects Directorate, Analyst
- JANUARY 1984 - FEBRUARY 1985 Ft. Belvoir, VA., Prime Power Production Specialist School, Student
- FEBRUARY 1981 - FEBRUARY 1984, 29th Engineering Battalion, Ft. Shafter, HI., Cartographer
- JANUARY 1980 - FEBRUARY 1981, 30th Engineering Battalion, Ft. Belvoir, VA., Cartographer
- JUNE 1979 - JANUARY 1980, Basic Training and AIT, Ft. Dix, NJ., Ft. Belvoir, VA.

EDUCATION

New Mexico State University, Associate Undesignated — 1988
LaunchCode, LC101 Programming Course — 2019