

CEO, Cedowin, OOLTEWAH, TN – 2006--Present

Project lead and sole developer for the AweVenture scavenger hunt app. Video guides lead customers on scavenger hunts using Swift, Google Firebase, GPS, in-game sales, and augmented reality.

Project and tech lead for Zombie Goals app which gamifies building strong habits. This fun 3D, Unity-based adventure uses game mechanics to lead people on a self improvement journey.

Video host, editor, animator, and more. I developed scores of short and long-length videos in many roles such as talking-head, host, voice-over artist, editor, animator, VFX artist, and more.

Writer and producer of Riff in Peace musical release. I wrote the lyrics and produced a marketing album for Zombie Goals, working with artists to arrange, record, and mix the music.

Sole developer for the fastest selling and most popular media server for the PSP. This was expanded to include the iPhone, iPod Touch, and iPad as well as PC, Mac, and Linux.

Writer, Producer, Admin, etc. Wrote marketing materials, over 1500 blog posts, and 5 books while also coordinating with 3D artists, animators, graphic designers, actors, writers, and more.

System Consultant I, Unum, Chattanooga, TN – 2001-2018

App, tech, and project lead + developer for a data collection system that saved millions. This data collection system processes over 3 million rows of data per month with web-based administration.

Designer and Developer on machine learning models for likelihood of purchase. The app was written in Python with pandas Data Analysis Library and Azure Machine Learning Studio.

Project lead for machine learning app detailing company perception. Automated web searches paired with AI create a robust score of the public's impression of a company.

App, tech, and project lead + developer for new product for individual disability insurance. Devised requirements, managed design specs, lead the project and resources, and developed the code.

Project lead and designer coordinating several projects with upstream and downstream systems. I oversaw major changes for one system while leading 7 other projects for that system that year.

Project lead involving 60 applications and over 90 programs leading more than 50 people. The project moved applications to new servers and upgraded system frameworks simultaneously.

Consultant, Maxim Group, Knoxville, TN – 2000-2001

Sole developer of process to move files from over 550 restaurants to a SQL Server database. This was used to populate Excel reports as well as integrate with a Notes Domino server.

Sole developer of Visual Basic component to access restaurant management information. This Visual Basic app used SQL Server data to create an API of easy to manage hierarchal restaurant objects.

Sole developer of several small applications for data conversion, special lookups, and reporting. These applications used Visual Basic, SQL Server, ASP, VB Script, Javascript, and more.

Senior Programmer/Analyst, Life Care Centers, Cleveland, TN – 1996-2000

Team lead, technical consultant, core developer. This included facility and corporate level applications, client server and web-based applications, and coordinating old and new technology.

Sole designer and developer for insurance reimbursement reporting applications. This provided managed care reporting for over 200 facilities with web-based import and reporting.

Sole designer and developer for data warehousing import application. The web-based application imported Clipper tables from each facility into a SQL Server data warehouse with reporting.

Sole designer and developer for a critical application for healthcare accreditation. This automatically processed and sent data from more than 60 facilities to a third-party accreditation firm.

Sole designer and developer for mobile Palm OS prototype, patient-care tracking app. I learned a new language to create a wizard-style mobile interface to quickly assess possible patient needs.

Advertising/Information Coordinator, Pathway Press, Cleveland, TN – 1992-1996

I led and managed a small catalog team. I worked with artists, data entry personnel, photographers, layout, printing, etc. to create a two-year product catalog of over 150 pages.

I developed an inventory database with for catalog data entry. This process helped to cut the catalog project time by half and improve the user experience with a new author and category index.

I created tracking programs to show sales, progress, and phone usage. I learned DBase+++ from scratch to create the department's only sales-tracking reports for middle management.

Information Technology Skills

- **Languages:** C#, Swift, Python, CircuitPython, Visual Basic, Objective C, Flutter, Java, Visual FoxPro, Clipper, DBase, C, C++, Arduino, Processing, SQL
- **Frameworks:** .NET, Web Services, XML, XSLT, XSD, REST
- **Web:** ASP, ASP.NET, HTML, XHTML, CSS, VB Script, Javascript, PHP
- **Administration:** SQL Server (admin, security, design, stored procedures, triggers, etc.), IIS, Windows (client and server), Visual Source Safe, Team Foundation Server, MacOS, DNS, networking
- **Platforms:** Windows, MacOS, iPadOS, iOS, Android, Microcontrollers (several)

Other Technical Skills

- **Video/Audio:** Final Cut, Logic Pro, Motion, VFX (minor), lighting, directing, scriptwriting, songwriting, production (both video and music), cabling, prop master, set design
- **3D:** Maya, Blender, Unity, Tinkercad, 3D printing (FDM and resin)
- **Electronics:** Raspberry Pi, Arduino, ESP32, SPI, I2C, I2S, CAN, LoRa, Wifi, Bluetooth

Referrals

Available on request