

Jacob Moore

Software Developer

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EXPERIENCE

Custom Control Solutions – Cleveland, TN

Electrical Control Systems Technician

August 2023 - PRESENT

As a Control Panel Technician at Custom Control Solutions, I specialize in the assembly and testing of industrial control panels in accordance with UL guidelines. My responsibilities include:

- **Interpreting Electrical Drawings:** Accurately reading and understanding electrical schematics provided by the engineering team.
- **Material Preparation:** Selecting and preparing materials such as backplanes, DIN rails, and Panduit of various sizes to fit the panel design.
- **Panel Assembly:** Skillfully assembling control panels by mounting components and wiring them according to the provided drawings.
- **Testing and Quality Assurance:** Applying 480V to test and verify the functionality of panel components, ensuring they meet safety and performance standards.
- **Inspection and Compliance:** Coordinating with inspectors to ensure panels meet regulatory standards and are ready for shipment.

My role demands a keen eye for detail, a thorough understanding of electrical systems, and a commitment to safety and quality in every project. It also requires good task management and communication skills to ensure that I am on the same page as the engineers and the customers throughout the entire process.

Barcom Incorporated – Chattanooga, TN

Contracted Software Developer

June 2023 – August 2023

Worked as a Contracted Software Developer for a Chattanooga Code shop for a two month period assisting them in developing application updates and bug fixes with their hefty workload they were ill equipped to handle at the time. My responsibilities included:

- **Requirements Gathering and Analysis:** Reviewed previously

SKILLS

C#

.NET

ASP.NET

Entity Framework

SQL

Microsoft SQL Server
Management Studio

WPF

Windows Forms

XAML

collected detailed requirements from the client, and worked closely with the client myself through email and word document outline to ensure they were complete, clear and feasible.

- **Software Design:** Created design documents and prototypes based on the analyzed requirements. Though these typically included SQL stored procedures that would be utilized to perform the correct functions outlined in the application requirements, it also included creating flowcharts to outline specific component functions as well as database design to ensure my data would be correctly stored and managed during application processes.
- **Software Implementation:** Within a privately made and owned Off-The-Shelf software suite that utilized T-SQL and Microsoft SQL Server Management Studio, took application requirements along with design documents and prototype code structures and wrote the code for the software that was requested during the Requirements Gathering phase of the software development cycle.
- **User Documentation:** Created comprehensive user manuals and documentation to guide clients through the installation, configuration, and usage of software solutions (mostly usage), ensuring clarity and ease of use for both technical and non-technical users.

EDUCATION

Chattanooga State Community College - Chattanooga, TN Associates of Applied Science - Computer Information Technology w/ a Computer Programming Concentration

August 2021 - May 2023

In this program I earned an Associates of Applied Science - Computer Information Technology degree with my chosen concentration for computer programming. This concentration allowed me to learn the fundamentals of networks, databases, operating systems, and features of object-oriented and web programming languages like Java, C# and Python to design, develop, and implement scalable applications. A large portion of my education was spent learning various languages that are popular in the chattanooga area like the .NET framework and C#. I was also educated on Python and SQL and their relative uses in the Data Science field of Computer Information Technology. I currently continue my education myself in my freetime to maintain my knowledge in these concepts and continue to learn and grow by building my own projects and learning at my own pace different technologies.

Projects

Flooring Ordering Application

This application is one that I made during my schooling. It uses WinForms and some simple logic to demonstrate my knowledge of WinForms components. Its written in C# and demonstrates my familiarity with event driven programming and windows forms control programming. I used these concepts in a business oriented way to create an applicable example of a program you would see used in a B2C setting.

<https://github.com/Jacob-A-Moore/FlooringOrderingApp>

Mockup Non-Profit Food Bank Application

A food bank requires a lot of data tracking, with food going in and out, visitors making frequent visits and keeping track of the food patrons need can be a lot. I made this mock up application which I'm calling Food Flow to manage a food bank's inventory, the visitors the food bank gets and to automatically save the database state at the end of each month (which was a problem that a food bank I knew was having at the time). It is written in Windows Presentation Forms, meant to be a desktop data entry application. I am still working on this application, and many features still need to be added still, like the serialized saving of the database after a calendar month has passed. But the key functions are present to play around with. I used C# and the Entity Framework for the Application Database communication and a SQLite file for my database option. (This project is strictly for personal use and is not associated with the Caring Place, I only used their logo as a placeholder for designing certain dashboard components)

<https://github.com/Jacob-A-Moore/FoodFlowApp>