David Michaels

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EXPERIENCE

Signal-Tech, Erie, Pennsylvania
Software Developer, May 2019 – June 2023

- Development work on an Intranet application built with PHP, Javascript, MySQL, Apache and SVN. This application serves as the ERP for the company. It has functionality for orders, purchasing, accounting, inventory tracking, sign production, etc.
    - Added back-end support for online credit card payment through the Signal-Tech website. It will automatically synchronize the payments made on the public website and store them with an order in the system.
    - Updated the application from PHP version 7.4 to 8.1. Fixed all deprecated functionality.
    - Created page for scheduling employees on certain days of the week at stations on the production floor. Used Javascript and jQuery to allow draggable employee name tags to positions on a table.
    - Created option for automatic scheduling of purchase orders. Made use of PHP cron jobs to create a scheduled procedure for inserting a new purchase order record ready for review by the purchasing department.
    - Created a custom built-in chat. Made use of WebSockets for opening a connection to a running PHP service that managed all the connections and distributed the messages to all clients. AJAX handled sending/receiving messages on the client side.
- Minor changes to C# .NET application which controls the communication between a server and signs.
    - Debugged a beta version of the software that was pending release, added minor feature requests (such as changes to UI), and released the update.
    - Made example code to help integrators know how to use the Sign Control Software API/ DLL to communicate with the RGB product line signs.

Maxback.com, Erie, Pennsylvania
E-Commerce Specialist, Dec. 2016 – August 2018

- Helped create an e-commerce site using Shopify. Added products, graphics, and copy.

EDUCATION

Edinboro University of Pennsylvania, Edinboro, PA
B.S. Computer Science, Minor in Applied Mathematics
Graduation Date: May 2019

SKILLS

- PHP, JavaScript, SQL, C#, HTML, CSS, C++, Windows, Linux, MySQL, SVN