

Todd G. Shedeck

PRESENT ADDRESS

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EDUCATION BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING - August 1997
Iowa State University - Ames, IA

CONTINUING EDUCATION

NETWORKING I & II Certification - 1999
PLC PROGRAMMING Certification - 1999
North Iowa Area Community College – Mason City, IA

CAREER RELATED EXPERIENCE

February 2001 – Present

Colorweb Printers Cedar Rapids, IA

Press Controls Administrator, Systems Administrator

- Rebuilt a webserver due to age of previous OS. Installed updated versions and configured the core system of Apache with vhosts, PHP, & MySQL. Set up schemas, tables, users, and restored backups to the new server. Transferred websites and redesigned for new database driver requirements and versioning changes. Set up database daily auto-backups.
- Developed a web-based application to replace the shop floor interface of the ERP system. It uses primarily PHP, Javascript and JSON for interfaces to four SQL production systems to pull data. The data is written into the ERP system to maintain the current workflow and invoicing process of the previous system while improving reporting.
- Designed Pentaho jobs for various automation processes of data manipulation and sharing between applications and databases which, because of Java requirements and security concerns, were redesigned using Python scripts.
- Helped manage and install a plant wide EFI Prism ERP system responsible for estimating, planning, scheduling, and invoicing jobs for production, packaging, and distribution. Coordinated shop floor data collection integration points by modifying existing systems output, identifying integration points, and physically installing field devices for interfacing with the new system. Created all reporting, custom modifications, and scripting to improve workflows, processes, integration, consolidation, and data analysis. Extended visibility into the system by building local and customer-based web interfaces with SQL views to display job details, production progress, and schedules.
- Researched, designed, proposed and presented a project plan to implement digital displays across the plant. Once approved, they were installed, configured, designed and trained provided on operation.
- Implemented a project to extend visibility from a status annunciator on the SLS2000 inserter by installing Serial-to-IP converters, capturing the stream

into a SQL database, building a website to display the data, and delivering it to a chrome-based overhead display.

- Installed and configured a web-based Logmate system to replace a dot-matrix printer output that pulled alarm data from the Honeywell system. Increased visibility by then building an HTML5 canvas based web interface to filter and view bar graph trends of web break data from our Logmate system.
- Administrator of the Mapcon CMMS system used in work order and project scheduling, prioritization, data mining, reporting, and inventory control. Developed an external jQuery Mobile web interface into the Mapcon inventory system for technicians in the field to check stock status.
- Administrator of the Honeywell DCS Alcont-based Printa press control system, responsible for troubleshooting, design, and implementation of system changes. Improved web tension control by adding transducers, I/O interface cards, and coding the display for run-time tensions in the Printa control system.
- Engineer, design, and troubleshoot changes in various electronic controls, PLC logic operations, upgrades due to equipment obsolesce, manufacturer retrofits, and communication integrations to remain current with changing technological trends.
- Administer of SharePoint Services within the production support department to improve communication, information consolidation, and collaboration.
- Layout design and administration of an ACT! CRM software for sales management that was used for a few years.

February 1998 - 2001

AFG Coatings Hampton, IA

Maintenance Electrician, IT Administrator, Water Management

- Worked closely with the building installation electricians to develop circuit layouts for field installed equipment while making modifications to initial logic for operation
- Management and data entry of preventative maintenance schedules, tasks, and work orders into MaintainIt Pro and MP2.
- Built and organized stockroom inventory for MaintainIt Pro and MP2 CMMS software.
- Worked with PLC ladder logic software programs such as GE Faunc's Logicmaster 90 and Rockwell's PLC-5 with RS Logix to configure, troubleshoot, and create additions and improvements to processes.
- Designed forms and queries for record keeping and data organization using Microsoft Access software with Visual Basic.
- Administrator for application, desktop, network, and printer support for the local facility.
- Managed water chemistry and built standards for closed loop cooling systems to open DI and RO systems used for washing glass.
- Resolved problems pertaining to the logic and/or all field connected devices controlling industrial operations.

OTHER COMPUTER SKILLS

- Crystal Reports, Word, Excel, Office, Access, Power BI, Great Plains

REFERENCES

Available upon request.