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Daniel E. Golech ***Software Engineer***

General

Mr. Golech is a Systems Engineer with 30 years experience in design and software. His experience has primarily focused on operator interface, data collection, and reporting systems. Experience includes PLC programming, HMI programming and configuration, database design and installation, historian and data collection, custom VB applications, web site updates, server setup and networking, wiring debug, contractor assistance, and hardware and software startup services.

PLC Programming – Allen Bradley RSLogix5, RSLogix 5000, Optimization
HMI – iFix, Wonderware Certified Developer, RSVIEW32, Total Control Products, Panelview, Quickpanel
Data Collection – SQL Server, Oracle, Access, Historian, RFID Tracking
Programming – VB6, VB.Net, Fortran
Web Programming – Visual Studio, ASP.Net
Server Setup and Networking – Microsoft Windows, Unix

Education

The University of Akron – Classes in Business Administration, Electrical Engineering Technology, and Computer Science.

Project Experience Summary

A Schulman Co. – Akron, Ohio **Polybatch Extruder and Compounding System**

Responsible for programming, installation, and contractor assistance during startup and debug of an operator interface system for the polybatch extruder and compounding system. System utilized multiple GE iFix SCADA nodes and multiple iFix view nodes communicating with the Ktron feeder, extruder, pelletizer, and classifier systems using Control Logix5000 PLCs.

**Johnson Controls Inc. – Milton, Ontario Canada
Tekno Conveyor Modifications and Relocation**

Responsible for modification, installation support, wiring debug and contractor assistance for the relocation of the Tekno automotive seat assembly conveyor system from the Setex Canada Shelburne, Ontario location to the Johnson Controls Milton, Ontario location. Modifications included combining the driver and passenger seating lines into and single conveyor system. Changes were required to the Lot Trace Management System, RFID tracking system, and the web based operator interface system. System consisted of Allen-Bradley PLC-5 and Control Logix5000 PLC controls.

**Setex, Inc. / Setex Canada – St. Marys, Ohio / Shelburne, Ontario Canada
Automotive Seating Lot Traceability and Pallet Tracking System**

Responsible for programming, installation, and continued support for the automotive seat production lot trace management, data logging, and data reporting systems. Systems were installed in 2002 and have undergone multiple system upgrades required for additional data reporting, server upgrades and yearly model changes. Systems consist of server based VB6 applications that read and print barcode data, prompts operators for required operation on electronic display terminals, and records information to a SQL Server database. Data is obtained from barcode readers, Keithley Instruments continuity meters, and Atlas-Copco and Cleco torque tools using Optimation Ethernet based I/O communicating with Allen-Bradley PLC-5 and Control Logix PLCs.

**Heraeus Inc. – Chandler, Arizona
Controlled Atmosphere Reactive Chamber**

Responsible for the design and installation of the operator interface, recipe management, and data reporting system used to manufacture specialty window coatings. System used a VB6 application, RFID reader, SQL Server Database, and OPC server communicating with a Siemens PLC.

**Chase Brass and Copper Co. – Montpelier, Ohio
Copper Manufacturing Operator Interface**

Responsible for the upgrade and installation HMI systems from Intellution Fix32 to Intellution iFix. Systems were used to control brass furnace, casting and press operations.

**Benteler Automotive Canada Corp. – Brampton, Ontario Canada
Automotive Drive Assembly Warehousing System**

Responsible for the programming and installation of a warehousing system to store automotive axle components. System consisted of a Visual basic application which communicated with a SQL Server database, barcode readers, and electronic display terminals to direct high-lift drivers to the proper warehouse storage location.

**Cooper Tire and Rubber Company – Findlay, Ohio
Banbury #3 and #4 Mixing Control System**

Responsible for programming and installation of Quick Panel HMI interface screens, startup support, and custom recipe management system.

**Visteon Corporation – Detroit, Michigan
Automotive Seating Warehousing System**

Responsible for the custom programming of an application used to warehouse automotive seating. System consisted of operator interface terminals, barcode readers, and a database server to determine correct warehouse location for seating sets and then notify operators on a billboard display. The system was written in VB6 and utilizing PC terminals networked to the database server.

**Frigidaire Home Products – Anderson, South Carolina
Thermoformed Part Conveying and Distribution System**

Responsible for the design and development of the operator interfaces, RFID software and PLC programming support, and installation assistance and training for a Webb-Stiles monorail conveyor system. The system consisted of multiple PanelView HMI terminals communicating with Control Logix5000 PLC controls.

**Ferry Industries, Inc. – Kent, Ohio
Rotational Molding Equipment Operator Control System**

Responsible for upgrades, debugging, and installation of a configurable operator interface control system to run rotational molding equipment.

**Corning Inc. – Goose Creek, South Carolina
High Purity Glass Manufacturing**

Responsible for the programming and installation of multiple Intellution Fix32 SCADA systems and a web based recipe management system used to manufacture high purity glass. SCADA systems were used for furnace control, data logging to an Oracle database, and system calibration procedures.

Dunlop Tire Co. – Huntsville, Alabama
Electron Beam Radiation Rubber Curing System

Responsible for the programming and installation of the operator interface terminal for electron beam radiation rubber curing system.

Rubatex Corporation – Conover, North Carolina
Banbury Mixing Line and Material Compounding System

Responsible for the design, HMI and PLC programming, installation, and contractor support of the operator interface for a compounding system upgrade for a Banbury mixing system. System required data collection, reporting and recipe management. The system consisted of Allen-Bradley PLC-5 controls.

Midrange Computer Solutions, Inc. – Cleveland, Ohio
Parametric Modeling System Workstation Installation and Support

Responsible for delivery and training of parametric CAD systems on Unix workstations.

Dana Corporation – Lima, Ohio
Automatic Numerical Control Code Generation System

Responsible for the design and implementation of an automatic drawing and numerical code generation system used in the manufacturing of heavy truck universal joints. Recognized by CASA/SME as a key contributor for Dana Corporation winning the 1991 LEAD award for Leadership and Excellence in the Application and Development of computer-integrated manufacturing.

Ricwil, Inc / Ricwil Japan Ltd.– Brecksville, Ohio / Tokyo, Japan
Automatic Pipe Drawing Generation System

Responsible for the design, development and installation of an automatic pipe drawing systems using computer aided drafting software. Programming was using Fortran on IBM mainframe and PC computer systems.