**Jerry Cavlovic, CBET-R**

412 Emerald Drive

Chesterton, Indiana 46304

(219) 805-2165 **e-mail: JC46368@yahoo.com**

**SUMMARY:**

An electrical/instrumentation/control systems engineering professional with design programming and supervision experience in healthcare, primary metals, automotive manufacturing, water treatment plants, and power cogeneration stations

* Extensive background in selection, programming, field commissioning and troubleshooting various programmable logic controller (PLC) systems
* Programming human-machine-interfaces (HMI) using OEM graphics software within Windows NT, UNIX and VAX/VMS environments
* Designing industrial and personal computer (PC) networks, installing network software, and interfacing components with existing process control equipment

**EQUIPMENT FAMILIARITY:**

PLC's Programming Software Operating Systems Hardware

Siemens Factory Talk View VAX/VMS AUI & Ethernet Networks

Omron 200HS GE CIMPLICITY Interactive UNIX AC/DC Motors & Drives

GE Fanuc Series 90 Intellution AutoCAD (rel. 2000 & 14) TCP/IP Network

A-B Control & Micro Logix RS Logix Windows 2003 Database Server Instrumentation

**PROFESSIONAL EXPERIENCE:**

**Schuler Presses Inc. Canton, MI**

**Electrical Field Service**(2016)

* Install, repair and upgrade electrical components on various metal forming presses
* Trained in KUKA robotics and Beckhoff PC controllers programming

**TP Orthodontics Westville, IN**

**Automation Engineer** (2014 - 2015)

* Designed, programmed, installed and modified electronic control systems including PLCs and robots for manufacturing orthodontic appliances
* Maintained and repaired electro-mechanical items throughout plant
* Programmed CNC machines, Emerson DC Drives, and repaired computer equipment

**MECA Engineering Corp. of America Lake Station, IN**

**Project Engineer**(2008 - 2013)

* Electrical and automation equipment management responsibility for Pulverized Coal Injection Construction Project at ArcelorMittal Steel Plant
* Design electrical specification requirements for new manufacturing plant construction
* Coordinated scheduling and equipment procurement among various contractors
* Programmed Rockwell Automation PLC and HMI for grain storage facility start-up
* Reviewed and modified equipment specifications before purchase orders were issued
* Created drawings using AutoCad software and organized their storage locations

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**Franciscan Alliance Health System Northwest IN**

**Clinical Engineerand PACS Administrator**(2004 - 2014)

* Maintained and managed patient-care and computer-based equipment throughout the hospital and related off-site facilities
* Implemented cost reduction program for replacement parts acquisition

**Superior Engineering** (for NiSource Energy Technologies) **Chesterton & Gary, IN**

**Project Engineer**(2002 - 2004)

* Analyzed data and constructed spreadsheets (using MS Access and Excel) for Capstone micro-turbines: utilized for heat generation in commercial buildings
* Tested and implemented power generating control equipment for new construction

Projects using Enflex controllers and Metrosoft Power Quality Software

**Tyco Flow Control and LTV Steel Company Harvey, IL & E.C., IN**

**Electrical Engineer/Technical Supervisor**(1999 - 2002)

* Commissioned and started-up steel tube-forming line
* Responsible for automation equipment maintenance, hardware and software upgrades on steel coil processing lines
* Documented and investigated root-cause analysis of equipment failures

**Arvin Industries Kingsbury, IN**

**Electrical Control Systems Maintenance**(1998 - 1999)

* Modified and installed operating software for Reliance DC Drives, Distributed Control Systems, and Level 2 network communications
* Installed, diagnosed, and repaired AC and DC industrial control equipment along with

rotating machinery, while decreasing production downtime

**PK Engineering & Manufacturing Portage, IN**

**Design Engineer** (1995 - 1998)

* Designed, programmed, maintained, and diagnosed PLC and HMI systems and

communication networks for process control integration projects

* Commissioned on-time start-up of new, all A/C driven steel processing facility; testing welder, electrostatic oiler, flow control, and x-ray gauge
* Assisted with project bids and specified equipment for potential customers

**EDUCATION:**

**Purdue University - West Lafayette, IN** Electrical Engineering and Technology Curriculum

Bachelor of Science and Associate of Applied Science

ICC/USCC Biomedical Equipment Technical Certification: Awarded November 2005

CompTIA Healthcare IT Technician A+ Certification: Awarded June 2013

**ADDITIONAL DEVELOPMENT:**

Statistical Process Control Reliance Automax DCS Course

Intellution Computer Graphics Management by Responsibility

Six Sigma and Kaizen Lean Manufacturing Languages: German and Slavic Variety