

## Professional Summary

Controls and SCADA Engineer experienced in all aspects of the industrial control system design and implementation. Highly knowledgeable in both the hardware (wiring, CAD, UL) aspects as well as software design (PLC as well as higher level languages). Experience in numerous industries and application types.

## Key Skills

<b>Programming</b>	Visual Basic (5, 6 and .NET) Jython, Python, Java, C, C++ PLC – Full range of Rockwell (Allen Bradley) products as well as PLC's from Omron, GE, Mitsubishi, Automation Direct and Horner. HMI – FactoryTalk View, Wonderware, Ignition, Cmore Web – ASP.NET, HTML Database – MS-SQL, SQL Query, T-SQL
<b>SCADA</b>	Inductive Automation (Gold Certified in SCADA and MES) Wonderware InTouch Rockwell FactoryTalk
<b>Vision Systems</b>	Keyence Cognex
<b>Drive Systems</b>	Single and three phase AC Variable speed DC and AC Servos including Kinetix 300/350 and Ultra platforms.
<b>Design:</b>	AutoCAD and AutoCAD Electrical Panel design including layouts, BOMs, wiring and elementary diagrams Motor and drive sizing Power distribution panel sizing and specifying UL508A and NFPA 79
<b>Basic Software</b>	Microsoft Office, PowerPoint, Access, etc. Visual Studio AutoCAD and AutoCAD Electrical

## Education

<b>1996-1999</b>	DeVry Institute of Technology Bachelor of Science, Electrical Engineering Technology Graduated Summa cum Laude (GPA 3.95/4.00) Extra course work in procedural and object oriented programming theory.
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## Employment

<b>2017-Present</b>	<b>Bastian Solutions, Inc</b> <b>Senior Controls Engineer</b> <ul style="list-style-type: none"><li>Involved in all aspects of control system design in the material handling industry.</li><li>PLC programming</li><li>SCADA design using Ignition as well as Factory Talk View</li><li>HMI design</li></ul>
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**2015-2017 Trimax Systems, Richardson, TX**  
**Senior Controls Engineer**

- Develop SCADA systems primarily using Ignition by Inductive Automation for a number of industries including Oil and Gas, Water and Waste Water Treatment, electronics manufacturing and aviation fuel distribution.
- PLC programming on various platforms including those from Rockwell and GE.
- Provide quotes and estimates for sales on engineering labor and control system hardware.

**2013-2015 Applied Group, Bridgeton, MO**  
**Systems Engineer**

- Programming, support and design of cloud-based SCADA systems.
- PLC programming
- Integration of Inductive Automation's Ignition SCADA system at a number of manufacturers.

**2010-2013 Henniges Automotive, Keokuk, IA**  
**Senior Electrical Engineer**

- Control system design for a variety of machinery including extruders, assembly machines and cut off saws.
- Supervise hourly maintenance technicians and provide technical support as necessary.
- Support manufacturing operations, continuous improvement and quality objectives.
- Develop automated server-based Kanban system.
- Develop plant-wide server-based shipping label system.
- Integrate existing manufacturing operations into a plant-wide network (Ethernet).
- Integrate plant utility (e.g. power, compressed air) monitoring into a plant-wide network.
- Support engineering servers used for data collection.

**2004-2010 Vertis Communications, Baltimore, MD**  
**Electrical Engineer**

- Design software and hardware for web offset printing presses and associated equipment
- Specify plant electrical distribution equipment.
- Obtain quotes and provide estimates as part of CapEx planning.
- Supervise installation and start up activities
- Provide technical support to electrical maintenance technicians in 25 manufacturing facilities.
- Develop and teach PLC training courses for maintenance technicians.

**2000-2004    The Wilde Company, Chicago, IL**

- Provide contract engineering services to a variety of companies in the printing, pharmaceutical, plastics and packaging industries.
- HMI and SCADA design using Visual Basic.

**1999-2000    Westech Automation, Buffalo Grove, IL**

- Control system design and programming for automated assembly lines used in the automotive industry.
- Startup and debug of assembly lines.

**1996-1999    Controls & Automation Technologies, Chicago, IL  
Controls Engineer**

- Integrate high speed servo systems into new and existing machinery.
- Program a wide variety of PLC and servo controllers.
- Provide installation and startup services.

**References**    Available upon request