

# Keith Tanner

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## Automated Systems Professional

### Production Standards & Efficiency | Electrical Design & Builds | Troubleshooting | Team Leadership

- **Proven expertise in meeting and exceeding performance standards** for installing, troubleshooting and maintaining process manufacturing equipment.
- **Recognized for diverse skill set** in performing programming, electrical design and builds for high-profile projects including installations for many industry-leading Fortune 500 companies.
- **Valued by employers and customers as a talented leader** with strong training and mentoring skills; possess a history of leading project teams successfully in installing new automation lines, improving existing lines and reducing downtime.

**Areas of expertise:** Installations | Fabrication | Project Management | Process Improvement | Stainless Steel MIG & TIG Welding | AutoCAD Drawings | Troubleshooting & Maintenance | Quality Assurance Corrective Action | Vendor Relations | Worker Safety/OSHA Compliance | Training & Mentoring

**Technical skills:** PID Control | Ethernet/IP | ControlNet | DeviceNet | Motion Control (Servo Motor, robotics, drives) | HMI | SCADA | Microsoft Visual Basic | Vision Systems | PLC Programs

## Professional Experience

**Braverman Industries, Greenville, SC**

January 2016 to Present

### **CONTROLS ENGINEERING MANAGER** (September 2016 to Present)

**Credited with successfully driving organization-wide changes that have resulted in reduced downtime, greater efficiency, improved quality and better equipment from vendors** for this provider of lightweighting solutions for the global automotive industry. Oversee and manage the Controls Department in leading a team of 11 staff members that includes 4 electrical engineers and 3 automation technicians.

- Worked closely with management in establishing the Controls Department to better oversee and to more efficiently manage both Wisconsin production facilities.
- Created electrical standards that have been adopted by the business unit as operating standards across North American operations.
- Established HMI standards using base screens that have resulted in greater throughput.
- Created PLC standards to allow for faster response and to better troubleshoot new automation lines.

### **CONTROLS TECHNICIAN** (January 2016 to September 2016)

**Played an instrumental role in making lines run more efficiently which contributed to increased productivity and reduced staffing needs.** Assisted in the design of new automation lines coming into the plant.

- Conducted troubleshooting with existing automation lines and restored them to normal operating mode when they failed to function properly.
- Performed robot cell simulations in evaluating ways to increase automation efficiency.

### **ADVANCED AUTOMATION SPECIALIST, T.R. Miller Engineering, Columbia, SC** May 2013 to December 2015

**Recognized for consistently meeting and exceeding rigorous customer standards in performing design, programming and HMI work** for this process automation firm. for a wide variety of advanced automation

**T.R. Miller Engineering, Continued**

projects using programs that included AutoCAD, Eplan, SEE Electric, Allen-Bradley (mostly ControlLogix), Siemens (mostly Step 7), Factory Talk View and WinnCC Flexible.

- Instrumental in developing and installing a new stacker system at a BMW factory; new system increased the efficiency of managing the flow of cars in and out of the facility's paint shop.
- Assisted a tire manufacturer with implementing a number of production improvements through design work using SEE Electric and programming using Allen-Bradley; efforts resulted in increased productivity and improved safety and included integrating robots into the facility's operations.

**SELF-EMPLOYED - PLC Cabinet Designer & Builder, Camden, SC**

February 2010 to May 2013

**Successfully balanced workload as an independent contractor while completing studies as a full-time student** in the automated machine systems program at Fox Valley Technical College. Created drawings and blueprints of PLC cabinets in assisting customers with their automated system needs.

**TECHNICIAN & TEAM LEADER, Marin-Starr Engineering, Camden, SC**

September 2005 to February 2010

**Relied on as the "go to" person for troubleshooting and solving problems** for this provider of engineering and related services including fabrication, automation and controls, specializing in the food industry. Led teams in performing installations for major start-up projects for such leading companies as H.J. Heinz and General Mills. Additional tasks included repairing electrical problems and generating AutoCAD drawings in designing and building PLC cabinets.

- Commended by management for ability to lead teams and coordinate vendors and other project functions in meeting customer deadlines.
- Trained and mentored team members to ensure that all customer quality standards were met.
- Consistently recognized by management and vendors for high quality of drawings and cabinet designs.

**OWNER/AUTOMATION TECH./PLC CABINET BUILDER, Barry Automation, Sumter, SC** Jan. 2005 to Sept. 2005

**Played a lead technical role in building and wiring PLC cabinets** for this local engineering firm. Performed troubleshooting and repaired electrical problems. Designed electrical circuits and programmed variable frequency drives. Fabricated stainless steel cabinets for PLCs using MIG and TIG welding techniques.

**ELECTRICAL APPRENTICE, DGT Electric, Sumter, SC**

June 2001 to January 2005

**Quickly advanced through a progression of assignments** for this full-service electrical and technology systems contractor. Primary role was installing and maintaining electrical wiring for commercial customers.

## Education

Eastern South Carolina University, Columbia, SC

**Bachelor of Science Degree in Electrical Engineering** (in process – anticipate completion by 2020)

Carolina Technical College, Columbia, SC

**Associate degree, Automated Manufacturing Systems Technician**

Carolina Technical College, Columbia, SC

**Associate in Applied Science degree, Electrical Power Engineering Technician**

## Training

ABB Robot Integrated Vision | ABB Robot Programming 1 & 2 | ABB Robot Studio 1 & 2 | AutoCAD Drawing Electrical Codes | OSHA 10-Hour Training | Sherlock Vision | TUV 1 Safety Risk Assessment