

## **Bobby W. Whitaker Jr.**

**2266 Piedmont Rd.**

**New Market, TN 37820**

[bobwj555@gmail.com](mailto:bobwj555@gmail.com)

Cell (865) 202-6696

[www.bobbywhitaker.com](http://www.bobbywhitaker.com)

### **Education**

**2008-2013** *Tennessee Technological University, Cookeville TN* Graduation: May. 2013

#### **Mechanical Engineering, Bachelors**

Worked Full/Part-time while attending school to earn college expenses

Activities- Tenn. Tech. Amateur Radio Society (TTARS) President, callsign: W4BWW

Courses- Heat Transfer, Fluid Mechanics, Machine Design, Dynamics of Machinery, Mechanics of Materials, Thermodynamics I & II, Circuits I, Dynamic Modeling and Controls, Physics I & II, Chemistry I&II, Programming in C, Programming for Engineers, Energy Systems, Engineering Graphics, Statics, Dynamics, Mechatronics, Renewable Energy Sources, Applied Machine Design, CNC Machining

**2005-2008** *Walters State Community College, Morristown TN*

#### **Pre-Engineering** (Prep. for TN Tech)

**2012-2013** *Pellissippi State Community College, Knoxville TN*

CNC Certification

### **Computer Skills**

AutoCAD Inventor, (Preferred) Solidworks, ProE, Matlab, Catia V5, Maple, C++, FORTRAN

77, Mac, Linux, Windows (3.1 to 10, Server

2012), Echolink, ALLDATA, Word, Excel, PowerPoint, Publisher, Outlook, Access, Open Office, and PSPP (Free Minitab)

### **Hard Skills**

Soldering, Woodworking, Hot Air station, Welding (TIG MIG and Stick), Brazing, Heat Treatment, Milling, Lathing, Broaching, Grinding, Driving License (Can Obtain CDL), Panel Building, Electrical Wiring, building computer systems network design, 3D Printing, Laser Cutting, CNC Operation and Design, Oscilloscope, Communication RF analyzer, Sewing, Vacuum Chambers, Plotter repair, Power Tools, and others not listed

### **Experience**

**May 2019 – Current**

***Toyota Motor Manufacturing (TMMAL), Huntsville, AL***

***Process Engineer Specialists (Contract Engineer)***

Line Support of all types troubleshooting

Maintain the 10 Toyota attitudes

3D print designed tooling

Coordinate line improvements thought team various meetings

Maintain specialists communication board

**July 2018 – February 2019**

***Snap-On Tools, Elizabethton, TN***

***Automation-Manufacturing Engineer (Contract Engineer)***

Capital Project Management of previous started project, in which I finished the build of new assembly line, which won Snap-On's "RCI" global event of internal competition of improvements.

Support, Design, and Diagnostic Functions of Automation Machines, mostly Assembly dept.

Design, Create, Implement improvements and updates

6S, and KPI, Provide constant technical expertise

**April 2017 – February 2018** (10 month)

***Airxcel Suburban, Dayton, TN***

***Engineer (Contract Engineer)***

Capital Project Management, New Seyi 330-ton Press Install, Create various "CAPEX's"

Design, Create, Implement, Pressure Decay Leak Test Machine

Start a AOP budget plan for next year

Maintain Union Labor Rates, introduce 6S, Kata, 3P, and KPI and many other lean activities

Provide constant technical expertise in hand-off to new vice president operations

**Bobby W. Whitaker Jr.**

**2266 Piedmont Rd.**

**New Market, TN 37820**

[bobwj555@gmail.com](mailto:bobwj555@gmail.com)

Cell (865) 202-6696

[www.bobbywhitaker.com](http://www.bobbywhitaker.com)

Customers most any RV Mfg. on the market (Jayco, Airstream, Winnebago, Fleetwood, other)  
Products Ranges (Stove), Furnace, Water-heaters for RVs

**July 2014 – September 2016** (>2yrs)

***Tuff Torq Corporation, Morristown, TN***

***Production Engineer***

Designed, Ordered, Supervised, Installed, and Modified line fixtures

Consulted with different vendors and obtained quotes, parts, machines, labor rates

Maintained 3S and used the JIS and US Standards

Assisted in Teams in various NEW products on assembly lines

customers (John Deere, MTD, Husqvarna, Cub Cadet, Yamaha, Yanmar, others)

Supported Manufacturing and Maintenance in troubleshooting, safety-environmental hazards

Controls Programming, CNC/Robotic/PLC, Electrical (Fanuc, Omron, etc.)

Tooling and Gage, Welding and Grinding, Lab Analysis Techniques, Measurement, and data collection, use of Infor

Mapics (IBM), Lead Indusoft Project in line Data Capture (OEE, Downtime, Lot Tracking, etc.)

Complete "Line" Network Design, SME- Member

**Bobby W. Whitaker Jr.**  
**2266 Piedmont Rd.**  
**New Market, TN 37820**  
[bobwj555@gmail.com](mailto:bobwj555@gmail.com)  
Cell (865) 202-6696  
[www.bobbywhitaker.com](http://www.bobbywhitaker.com)

*Sept 2013 – Feb 2014* (6 month)

*WS Packaging, Knoxville, TN*

*Engineer, Temporary Contract*

Designed, Ordered, Overseen, Installed, and Build Modifications  
Data Collection and Analysis, using software Label Traxx, Masterlink, SQL reports  
Supervisory role of projects, that are created from the data collected  
Create CAPEX for machine purchases, then insure install process after approval  
Assisted Vice President Operations towards new plant design and program with EBITA goals in kaizen  
Participate in various other Kaizen/Lean Manufacturing teams and make the desired outcomes realities  
Used the "Impact" Business Model, Six Sigma

*May 2011- July 2013* (>2yrs)

*Exedy America Corporation, Mascot, TN*

*Engineering Intern*

Designed, Ordered, Overseen, Installed, and Build Line Modifications  
Used vendors and obtained quotes, parts, machines, labor rates  
Filled in for Maintenance Supervisor Position, overseen 8 Maintenance personnel as needed  
Maintained 5S-5T Standards, Assisted Engineers to rebuild old line to run new product while customers (Ford, GM, Chrysler, Nissan, Toyota) watched for quality and analyzed capabilities  
Created and helped to maintain Quality/MFG. Document Changes (DCR) (MQC, Check-sheets, Work Instructions, Line Deviations, Tool Charts, Machine and Part Drawings, etc.)  
Worked in "TEAMS" to think/discuss best solutions for various improvements  
Supported Manufacturing for troubleshooting issues of machinery  
Responsible for analyzing all systems for safety and environmental hazards  
Consulted with many different engineers and various departments (internal/external) for required approvals  
CNC/Robotic/PLC Controls/Power (Fanuc, Moto-man, Mitsubishi, etc.)  
Designed an Engineering Document Management System in Windows Active Directory  
Tooling and Gage, Welding and Grinding, Lab Analysis Techniques, Measurement, and data collection, Installed Electronic sensors of many types